


**CV OF DR. SARADA PRASAD MOHAPATRA**

	
<b>Designation:</b>	<b>Assistant Professor(Stage-III) and Head, P.G Department of Botany(OES-I)(College Branch), Government of Odisha Government Women's College, Sundargarh, Odisha</b>
<b>Date of Birth</b>	<b>02.07.1975(2<sup>nd</sup> July 19 Seventy Five)</b>
<b>Permanent Address</b>	<b>Plot No- 820, Mahanadivihar, Nayabazar, Cuttack, 743004</b>
<b>Qualification:</b>	<b>MSc PhD FAPS FMERC FMERU FESW</b>
<b>Whatsapp No:</b>	<b>+919437181379</b>
<b>Teaching &amp; Research Experience</b>	<b>25 years</b>
<b>Ph.D( awarded in the Year/ Name of the University/ Title)</b>	<b>2011 Ravenshaw University, Cuttack, Odisha Ecosystem Function in Tribal Village of Bolangir District of Odisha</b>
<b>Date of Entry in to OES</b>	<b>15.11.1999</b>
<b>ORCID ID</b>	<b><a href="https://orcid.org/0000-0001-5432-1131">https://orcid.org/0000-0001-5432-1131</a></b>
<b>Papers Published</b>	<b>55</b>
<b>h-Index</b>	<b>7</b> <b><a href="http://www.researchgate.net/profile/Sarada_Mohapatra">www.researchgate.net/profile/Sarada_Mohapatra</a></b>

<b>International Status</b>	<b>Member, World Committee on Food Security, FAO, UN Executive Board Member, CSAYN, an UN ECOSOC Organization(<a href="https://csaynglobal.org/executive-committee/">https://csaynglobal.org/executive-committee/</a> Regional Consultant, India of Food Security and Nutrition, FSN, FAO, UN(<a href="https://www.ncac.in/fsnglobal-forumoffoodsecurity-and-nutrition-fao-un-membership/">https://www.ncac.in/fsnglobal-forumoffoodsecurity-and-nutrition-fao-un-membership/</a> Independent Dialogue Convener, UNFSS</b>
<b>Email</b>	<b>saradamohapatra121@gmail.com</b>

**1. Refresher Course/Orientation Programme/Induction Programme/FDP/Short Course**

<b>Sl. No</b>	<b>Year</b>	<b>From / To</b>	<b>Type</b>	<b>Organising institute</b>	<b>Topic/Title</b>
1	2022	17.10.22/30.10.22	Refresher	University of Hyderabad	Frontiers of Life Sciences
2	<b>2022</b>	<b>07.02.22/25.03.22</b>	<b>E Course</b>	<b>Wageningen University, Netherlands</b>	<b>Food System</b>
3.	2021	25.10.21/09.11.21	Refresher	Aligargh Muslim University, Aligargh	Environmental Studis
4	2021	03.05.21/07.05.21	Workshop	RSRI, Tamilnadu	Data Analysis in SPSS
5	<b>2021</b>	<b>19.03.21/02.04.21</b>	<b>Workshop/</b>	<b>UNEP</b>	<b>Anatomy of Action in SDG</b>
6.	2020	13.07.20/19.07.20	FDP	NCAC	Ecosystem Services
7.	2020	29.06.20/30.06.20	Workshop	Saksham Society/NCA	Prevention of Mental health
8.	2019	06.11.19/08.11.19	FDP	UGC	Deeksharambh
9.	2018	24.01.18/13.02.18	Refresher	Utkal University	Research Methodology
10.	2017	06.09.17/08.09.17	Training	Madhusudan Das Regional Academy	Financial Management
11.	2017	28.03.17/29.03.17	Skill Development	Utkal University	Methods of Proteomics

12	2017	18.01.17/07.02.17	Refresher	Utkal University	Life Sciences
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## 2. Research Collaborations:

- a) With Dr. Ulrich Berk, German Institute of Homa Therapy, **Germany**
- b) With Dr. Okosodo E Francis, Dept of Ecotourism, FPI, Illaro, **Nigeria**
- c) With Bai Shi Yin Organization, **Singapore** on Wisdom Light Technology

**Research Co-Guide-** Registered at GIET, Gunupur, Rayagada, Odisha **Number of Research Scholar continuing PhD -3**

## 3. Awards/Fellowship Received

Name of the award/fellowship	Year of Award	Awarding Agency
Best Research Scholar	<b>2023</b>	<b>Asian education Conclave, Bangkok, Thailand</b>
Gyan Bhusan award(Best HOD)	2023	Global Scholar Foundation, Pune
ICST Fellow	2023	International Council of science & Technology, Govt of India, New Delhi
Futuristic Leadership Award (Best Professor in Botany & Environmental Science)	<b>2022</b>	<b>IN 2 Future, IIFS, Bangkok</b>
Best Researcher in Botany	<b>2019</b>	<b>IMRF, Thailand</b>
APSI Eminent Young Scientist Award	2019	APSI(Academy of Plant Sciences, India), U.P

APSI Mirat-Madhav Lifetime Achievement Award	2019	APSI(Academy of Plant Sciences, India), U.P
Iconic Faculty Award	2019	Saksham Society, Jaipur, Rajasthan
Best Paper Award	<b>2019</b>	<b>IMRF, Thailand</b>
Best Academic Coordinator Award	<b>2019</b>	<b>GISR Foundation, U.P</b>

Fellow Member	2019	Eudoxia Research Centre, Guwahati
Lifetime Member	2020	ESW, Khajuraho, M.P
APSI Fellow	2021	APSI(Academy of Plant Sciences, India), U.P
ESW Fellow	2021	ESW, Khajuraho, M.P
GABTP Young Scientist Award	2021	Global Agrobiotech and Pharma Research Foundation, Ahemdabad, Gujarat
Chairperson Award	2021	Saksham Society, Jaipur, Rajasthan
Chairperson Award	2021	Saksham Society, Jaipur, Rajasthan
Resource Person	2019	IMRF, Thailand chapter
Resource Person	2019	Scientific Federation, Prague, Czech Republic
Resource Person	2019	TriChandra College, Tribhuban University, Nepal



Resource Person	2020	INFES, Guwahati
Resource Person	<b>2020</b>	<b>Youth Advocacy Nepal</b>
Resource Person	<b>2021</b>	<b>IAAS, Peru</b>
Resource Person	<b>2021</b>	<b>EGH, Nepal</b>
Global Membership	<b>2021</b>	<b>FSN Forum, FAO, UN</b>
Regional Consultation, India	<b>2021</b>	<b>CFS, FSN, FAO, UN</b>
Panelist	<b>2021</b>	<b>WFF(World Food Forum), FAO, UN</b>
UN Food System Hero	<b>2021</b>	<b>UNFSS</b>
Panelist to meet Co chair	<b>2021</b>	<b>CFS, FSN, FAO, UN</b>
As Guest(UN Food System Hero)	<b>2021</b>	<b>UNFSS Summit 2021</b>
Member Delegate, World Committee on Food Security	<b>2021</b>	<b>CFS, FSN, FAO, UN</b>
Technical Team Member for High level meeting on MOU between FAO & WUR	<b>2022</b>	<b>FAO &amp; WUR(Wageningen University and Research, Netherland</b>
Resource Person	2022	WFC(WORLD FORESTRY CONGRESS), South Korea, FAO, UN

### **3.1 Patents Grant received- 16(During 2022-23 & 2023-24)**

**By Government of UK-02**

**By Government of India- 14**

#### 4.1 DETAILS OF RESEARCH PUBLICATION, OF DR SARADA PRASAD MOHAPATRA,

1	Okosodo Ehi Francis, Sarada Prasad Mohapatra	2022	Ethno-botanical Study of Mangrove Forest EPE Lagos State Nigeria for the treatment of Tropical Diseases <a href="https://www.wjpls.org/home/article_abstract/2773">https://www.wjpls.org/home/article_abstract/2773</a>	World Journal of Pharmaceuticals and Life Sciences (WJPLS) (ISSN: 2454-2229) <a href="https://www.wjpls.org/home/article_abstract/2773">https://www.wjpls.org/home/article_abstract/2773</a>	8(10)	Society for Advance Healthcare Research, India
2	Okosodo Ehi Francis, Sarada Prasad Mohapatra	2021	Bird Species and Flora diversity and Sustainable Tourism of Osun Osogbo Sacred Grove World Heritage site Osun State southwest Nigeria <a href="https://www.scientificreports.com">https://www.scientificreports.com</a>	Scientific Reports in Life Sciences (SRLS) (ISSN: 2718-1014) <a href="https://www.scientificreports.com/index.php/srls/article/view/36">https://www.scientificreports.com/index.php/srls/article/view/36</a> <a href="https://doi.org/10.2034/srls.2021.247979">https://doi.org/10.2034/srls.2021.247979</a>	2(4)	KOC University, Turkey, Co-Publisher Arak University, Iran, Pajohan Arshida Makran

3	Sarada P.Mohapatra 1 *and Harap. Sahoo 2	2021	A study of the characteristics of tree biomass resource in tribal village ecosystem of Bolangir District, Orissa, India <a href="https://international-scholars-journals.org">https://international-scholars-journals.org</a>	International Journal of Agricultural Sciences (ISSN-2167-0447) <a href="https://international-scholars-journals.org/download.php?id=59094972626450738">https://international-scholars-journals.org/download.php?id=59094972626450738</a>	11(1)	International Scholars Journals
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				<a href="#">8.pdf&amp;type=application/pdf&amp;op=1</a>		
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4	Okosodo E. F., Sarada P.M.	2021	ETHNO BOTANICAL SURVEY AND SUSTAINABLE USE OF MEDICINAL PLANTS SPECIES FOR THE TREATMENT OF TROPICAL DISEASES, YEWA NORTH-SOUTHWESTERN NIGERIA <a href="https://scholarzest.com">https://scholarzest.com</a>	European Journal of Research, Development and Sustainability (ISSN-2660-5570) <a href="https://scholarzest.com/index.php/ejrd/article/view/1240">https://scholarzest.com/index.php/ejrd/article/view/1240</a>	2(9)	ScholarZest
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5	Okosodo, E. F. Sarada Prasad Mohapatra	2021	DIVERSITY OF BIRD SPECIES AND CONSERVATION STRATEGIES IN MANGROVE ECOSYSTEM IN ADOODOWETLAND OGUNN STATE, SOUTHWESTERN NIGERIA <a href="https://scholarzest.com">https://scholarzest.com</a>	European Journal of Research, Development and Sustainability (ISSN-2660-5570) <a href="https://scholarzest.com/index.php/ejrd/article/view/1241">https://scholarzest.com/index.php/ejrd/article/view/1241</a>	2(9)	ScholarZest
6	Okosodo, E. F. Sarada Prasad Mohapatra	2021	Tourism Potential of Plants Species Used for the Treatment of Malaria and Typhoid Fever in Omo Forest Reserve Southwest Nigeria <a href="https://www.nepjol.info">https://www.nepjol.info</a>	Journal of Tourism & Hospitality Education (ISSN-2467-9550) <a href="https://www.nepjol.info/index.php/JTHE/article/view/38247">https://www.nepjol.info/index.php/JTHE/article/view/38247</a>	11	AITM School of Hotel Management, Knowledge Village, Khumaltar, Lalitpur,

				<a href="https://doi.org/10.38247/he.v1i10.38247">he.v1i10.38247</a>		Nepal
7	Okosodo,E. F. Sarada Prasad Mohapat ra	2021	PLANTS TRADITIONALLY USED IN TREATINGMALA RIA, TYPHOID FEVER AND RELATEDCOMPLI CATIONSINSOUT H- WESTERNNIGERI A <a href="https://scholarzest.co m">https://scholarzest.co m</a>	EuropeanScholar Journal(ESJ)(ISSN2660- 5562) <a href="https://scholarzest.com/index.php/esj/article/view/702">https://scholarzest.com/index.php/esj/article/view/702</a>	2(5)	ScholarZest
8	Okosodo,E. F. Sarada Prasad Mohapat ra	2021	DIVERSITY OF BIRD SPECIES IN DAMAGEDMANGR OVESWAMPALON GTHEBADAGRYCRE EKLAGOSSOUTHW ESTNIGERIA <a href="https://scholarzest.co m">https://scholarzest.co m</a>	EuropeanScholar Journal(ESJ)(ISSN2660- 5562) <a href="https://scholarzest.com/index.php/esj/article/view/701">https://scholarzest.com/index.php/esj/article/view/701</a>	2(5)	ScholarZest
9	Okosodo,E. F. and Sarada Prasad Mohapat ra	2021	HabitatEffectonBirdSp eciesDiversityandRich ness:A case Study of Gili-gili Forest Reserve Edo stateMidwesternNiger ia <a href="https://www.ijgsr.com">https://www.ijgsr.com</a>	InternationalJour nal ofGlobal ScienceResearch( ISSN-2348-8344) <a href="https://www.ijgsr.com/webadmin/uploads/10.26540ijgsr.v8.i1.2021.174.pdf">https://www.ijgsr.com/webadmin/uploads/10.26540ijgsr.v8.i1.2021.174.pdf</a>	8(1)	Environment &SocialWelfareS ociety,India
10	SARADA PRASAD MOHAPATR A	2020	BIOREMEDIATI ONOFDISTILLER YSPENTWASH( MELANOIDIN)ANOBLEAPPRO ACH <a href="https://so04.tcithaijo.org">https://so04.tcithaijo.org</a>	Nimit MaiReview InstituteofManage ment Scienceof	3(2)	Thaijournal,Thail and

				Pacific(Humanities andSocialSciences) (ISSN-2730-3950) <a href="https://so04.tcithaijo.org/index.php/nmrj/article/view/248753/169296">https://so04.tcithaijo.org/index.php/nmrj/article/view/248753/169296</a>		
11	A.Mahat, K.Maharjan, P.K.Regmi, K.Ghimre, Sarada Prasad Mohapatra	2020	Assessment of Water Quality in Bagmati river of Kathmandu Valley <a href="https://connectjournals.com/aps">https://connectjournals.com/aps</a>	Ad. PlantSci.(UGC Care)(ISSN0970-3586) <a href="https://connectjournals.com/achivestoc2.php?fulltext=3277701H_Ch23_89.pdf&amp;&amp;bookmark=CJ002857&amp;&amp;issue_id=01-02&amp;&amp;yaer=2020">https://connectjournals.com/achivestoc2.php?fulltext=3277701H_Ch23_89.pdf&amp;&amp;bookmark=CJ002857&amp;&amp;issue_id=01-02&amp;&amp;yaer=2020</a>	33(i-II)	Academy of Plant Sciences, India
12	E.F.Okoso do, Sarada Prasad Mohapatra	2020	Floristic Composition of Ayikunnugba waterfall Oke-ia Orangun South western Nigeria for Conservation Planning <a href="https://connectjournals.com/aps">https://connectjournals.com/aps</a>	Ad. PlantSci.(UGC Care)(ISSN0970-3586) <a href="https://connectjournals.com/achivestoc2.php?fulltext=3277301H_Ch-19_67.pdf&amp;&amp;bookmark=CJ-002857&amp;&amp;issue_id=01-02&amp;&amp;yaer=2020">https://connectjournals.com/achivestoc2.php?fulltext=3277301H_Ch-19_67.pdf&amp;&amp;bookmark=CJ-002857&amp;&amp;issue_id=01-02&amp;&amp;yaer=2020</a>	33(I-II)	Academy of Plant Sciences, India

				<a href="https://connectjournals.com/achivestoc2.php?fulltext=3277301H_Ch-19_67.pdf&amp;&amp;bookmark=CJ-002857&amp;&amp;issue_id=01-02&amp;&amp;yaer=2020">002857&amp;&amp;issue_id=01-02&amp;&amp;yaer=2020</a>		

13	Sarada Prasad Mohapatra	2019	An Analytical Study of Role of Government in Effective Environmental Management System in Agriculture <a href="https://connectjournals.com/aps">https://connectjournals.com/aps</a>	Ad. PlantSci.(UGC Care)(ISSN0970-3586) <a href="https://connectjournals.com/achivestoc2.php?fulltext=3091402H_187-189.pdf&amp;&amp;bookmark=CJ-002857&amp;&amp;issue_id=02&amp;&amp;yaer=2019">https://connectjournals.com/achivestoc2.php?fulltext=3091402H_187-189.pdf&amp;&amp;bookmark=CJ-002857&amp;&amp;issue_id=02&amp;&amp;yaer=2019</a>	32(II)	Academy of Plant Sciences, India
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#### 4.2 LIST OF BOOKS PUBLISHED BY DR SARADA PRASAD MOHAPATRA

SL NO	AUTHOR/EDITOR NAME	NAME OF BOOK	YEAR OF PUBLICATION	ISBN	PUBLISHER NAME	ISBN ISSUING COUNTRY
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1	Dr. Sarada Prasad Mohapatra	STATUS OF MANGROVE VEGETATION AND AVIFAUNAL DIVERSITY IN NIGERIA <a href="https://www.amazon.in/dp/1685763472?ref=mp_title_dp">https://www.amazon.in/dp/1685763472?ref=mp_title_dp</a>	2022	978-1-68576-347-3	IIP, Selfpage Developers Pvt Ltd, India	USA (Bowker Identifier)
2	Dr. Sarada Prasad Mohapatra	SUSTAINABLE MANAGEMENT OF MANGROVE FOREST AND ECOTOURISM IN NIGERIA <a href="https://www.amazon.in/dp/9392591829?ref=mp_title_dp">https://www.amazon.in/dp/9392591829?ref=mp_title_dp</a>	2022	978-93-92591-82-2	IIP, Selfpage Developers Pvt Ltd, India	India
3	Dr. Sarada Prasad Mohapatra	Ecosystem Function in a Tribal Village of Bolangir (Odisha) <a href="https://www.amazon.in/ECOSYSTEMFUNCTION-VILLAGEBOLANGIR-DISTRICT-ebook/dp/B0951SBPXB/ref=sr_1_1?qid=1665420091&amp;refinements=p_27%3ADR+SARADA+PRASAD+MOHAPATRA&amp;sr=1-1">https://www.amazon.in/ECOSYSTEMFUNCTION-VILLAGEBOLANGIR-DISTRICT-ebook/dp/B0951SBPXB/ref=sr_1_1?qid=1665420091&amp;refinements=p_27%3ADR+SARADA+PRASAD+MOHAPATRA&amp;sr=1-1</a>	2020	978-93-92591-15-0	IIP, Selfpage Developers Pvt Ltd, India	India

4	Dr. Sarada Prasad Mohapatra	Ethnobotanical Study of Bolangir, Odisha <a href="https://www.amazon.in/ETHNOBOTANICAL-BOLANGIR-ODISHA-SARADAMOHPATRA-ebook/dp/B0951ZQ27H/ref=sr_1_2?qid=1665420091&amp;refinements=p_27%3ADR+SARADA+PRASAD+MOHPATRA&amp;s=books&amp;sr=1-2">https://www.amazon.in/ETHNOBOTANICAL-BOLANGIR-ODISHA-SARADAMOHPATRA-ebook/dp/B0951ZQ27H/ref=sr_1_2?qid=1665420091&amp;refinements=p_27%3ADR+SARADA+PRASAD+MOHPATRA&amp;s=books&amp;sr=1-2</a>	2020	978-93-9038-825-7	Online Gatha (OG)	India
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#### 4.3 DETAILS OF WORKSHOP/SEMINAR



5	Dr. Sarada Prasad Mohapatra	Climate Change and Sustainability <a href="https://www.amazon.in/CLIMATE-CHANGE-SUSTAINABILITY-Sarada-Mohapatraebook/dp/B08HWCNL1M/ref=sr_1_4?qid=1665420091&amp;refinements=p_27%3ADR+SARADA+PRASAD+MOHAPATRA&amp;s=books&amp;sr=1-4">https://www.amazon.in/CLIMATE-CHANGE-SUSTAINABILITY- Sarada-Mohapatraebook/dp/B08HWCNL1M/ref=sr_1_4?qid=1665420091&amp;refinements=p_27%3ADR+SARADA+PRASAD+MOHAPATRA&amp;s=books&amp;sr=1-4</a>	2020	978-935407921-4	NCAC	India
6	Dr. Sarada Prasad Mohapatra	Ethnomedicine and Global Healthcare <a href="https://www.amazon.in/ETHNOMEDICINEGLOBALHEALTHCARE-SaradaMohapatraebook/dp/B08HVVVC84/ref=sr_1_6?qid=1665420091&amp;refinements=p_27%3ADR+SARADA+PRASAD+MOHAPATRA&amp;s=books&amp;sr=1-6">https://www.amazon.in/ETHNOMEDICINEGLOBALHEALTHCARE-SaradaMohapatraebook/dp/B08HVVVC84/ref=sr_1_6?qid=1665420091&amp;refinements=p_27%3ADR+SARADA+PRASAD+MOHAPATRA&amp;s=books&amp;sr=1-6</a>	2020	978-935408117-0	NCAC	India
7	Dr. Sarada Prasad Mohapatra	Vermicopost Technology and Organic Farming <a href="https://www.amazon.in/VERMICOPOSTTECHNOLOGY-SUSTAINABLE-FARMING-Mohapatraebook/dp/B08HVXVKSQ/ref=sr_1_5?qid=1665420091&amp;refinements=p_27%3ADR+SARADA+PRASAD+MOHAPATRA&amp;s=books&amp;sr=1-5">https://www.amazon.in/VERMICOPOSTTECHNOLOGY-SUSTAINABLE-FARMING-Mohapatraebook/dp/B08HVXVKSQ/ref=sr_1_5?qid=1665420091&amp;refinements=p_27%3ADR+SARADA+PRASAD+MOHAPATRA&amp;s=books&amp;sr=1-5</a>	2020	978-935416150-6	NCAC	India

8	Dr.Sarada Prasad Mohapatra	BiodiversityandSustai nability	2019	978-935346878-1	NCAC	India
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Year Name of the Workshop/Seminar

to

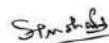
**ORGANIZED/PARTICIPATED** **Date from-** 2021-22 National Seminar on Patent process and 08.10.2021-08.10.2021  
Approval

2021-22 National Webinar on Menstrual Hygiene Training for Girls(Skill based)	24.11.2021
2021-22 National Webinar on Biocommunications in Barnacle(Balanus amphitrite)	30.12.2021
	17.12.2021-
2021-22 Annual Seminar Botany	18.12.2021
National Webinar(Gyan Bigyan Series) on Brain Power Program(Skill 2021-22 based)	07.02.2021
National Webinar(Gyan Bigyan Series) on Soft Skill for Self 2021-22 Motivation(Skill based)	21.02.2021
National Webinar(Gyan Bigyan Series) on Communication Skill (Skill 2021-22 based)	27.02.2021
2021-22 National Webinar on Exam preparation without Stress	07.03.2021
2021-22 National Webinar(Gyan Bigyan Series) on Critical Thinking (Skill based)	18.04.21
2021-22 National Webinar(Gyan Bigyan Series) on Soft Skill & IELTS (Skill based)	17.04.21
2020-21 One Day National Workshop on Innovation in Education	25.01.2020
	04.05.2020-
2020-21 National two Day Online Workshop on Health Hygiene to fight Covid 19	05.05.2020
International Webinar on Covid 19 on achieving SDGs-A step towards	08.05.2020-
2020-21 Climate Justice	09.05.2020
2020-21 National Seminar on 'Education as an instrument of Social reforms"	20.06.2020
National Webinar on 'Effect of Covid 19 on Global Environment and its 2020-21 Prevention'	02.06.2020-
	03.06.2020
	29.05.2020-
2020-21 International Webinar on "Waste Management and Sustainability"	31.05.2020
International Webinar on 'Ecosystem Conservation- Strategies for 2020-21 Sustainable Future	06.06.2020-
	08.06.2020
	04.07.2020-
2020-21 National Awareness on ' Cyber safety & Cyber crime'	05.07.2020
National Workshop on Prevention and Promotion of Mental health in 2020-21 Coronakal	29.06.2020-
	30.06.2020
Workshop on 'E learning for Teacher Training- from Design to 2020-21 Implementation	13.07.2020
International Virtual Conference on Ethnomedicines- Challenges & 2020-21 Opportunities in	
	25.07.2020-
Global healthcare Scenario	26.07.2020
	04.06.2020-

2020-21 SEBI Investors Awareness- National Workshop	22.07.2020
National Webinar on Advanced Functional Material for Technological	
2020-21 Application	25.07.2020
	24.07.2020-
2020-21 International Workshop on "Diabetes and Covid 19- A dual Challenge'	26.07.2020
	13.07.2020-
2020-21 Seven Days FDP on Ecosystem Services-Challenges and Opportunities	19.07.2020
International Workshop on 'Women's health and Nutrition:Emerging Trends	01.08.2020-
2020-21 and Challenges	02.08.2020
International Workshop on 'Technology- A Solution for Environment	08.08.2020
2020-21 Upgradation'	-09.08.2020
National Workshop on "Challenges in Higher Education in Covid 19	22.08.2020-
2020-21 Pandemic'	23.08.2020
	29.08.2020-
2020-21 International Virtual Conference on Vermicomposting & Organic Farming	30.08.2020
National Webinar on NAAC related Quality Enhancement & Assurance	
2020-21 Strategies	03.10.2020
National Webinar on 'Latest Trends and Strategic approach for future	
2020-21 Libraries	27.11.2020
2020-21 International Webinar on 'Post Covid 19 and Socioeconomic Challenges"	05.06.2020
	20.06.20-
2020-21 National Workshop on "How to become a better Academic Leader'	21.06.2020
	27.06.2020-
2020-21 National Workshop on 'Nutrition and Health against Covid 19'	28.06.2020
	16.05.2020-
2020-21 Online Workshop on Stress Management against Covid 19	18.05.2020
22.05.2020	2020-21 National Webinar on Effective Teaching Methods & Skills
	24.05.2020
	13.06.2020-
2020-21 National Workshop on "Good Health for better Living"	14.06.2020
	11.07.2020-
2020-21 International Webinar on Climate Change and Sustainability	12.07.2020

### **Declaration**

I hereby declare that the information given above are true to the best of my knowledge and belief.



**(DR. SARADA PRASAD MOHAPATRA)**

**Official Address:**

Assistant Professor in Botany  
Government Women's College  
Sundargarh

<https://youtu.be/pso7xK85kGY>

<https://youtu.be/X4HdzcrZleY>

[https://youtu.be/R\\_MT3Y6wQ78](https://youtu.be/R_MT3Y6wQ78)

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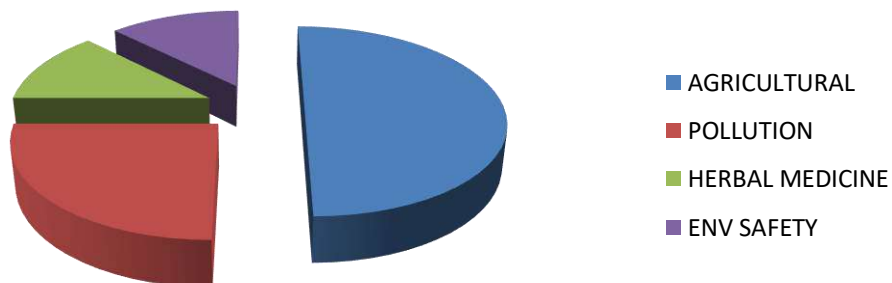
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**DESIGN PATENT DETAILS OF DR SARADA PRASAD MOHAPATRA,**

**ASST PROF. & HEAD, POST GRADUATE DEPT OF BOTANY, N. C. AUTONOMOUS COLLEGE, JAIPUR**

SL NO	NAME OF THE PATENT	GRANTED BY	DESIGN NO	DATE OF GRANT
1	Agricultural Machine for Seeding	United Kingdom	6304622	31.08.2023
2	Robot for Air Pollution tracking in Agricultural field	INDIA	391072-001	25.07.2023
3	Environmental Pollution detecting device	United Kingdom	6315608	06.10.2023
4	Trekker's Smart Safety Shelter	INDIA	394824-001	11.09.2023
5	Herbal Medicine Formulating Machine	INDIA	398267-001	23.10.2023
6	Fungicide Coating Seed Treating Box	INDIA	398482-001	26.10.2023
7	Wireless Hydroponic Farming monitoring Chamber	INDIA	399763-001	10.11.2023
8	Water Pollution Source Locating Device	INDIA	402309-001	16.12.2023
9	Pathogen Detection Nano-sensor Device	INDIA	404089-001	09.01.2024
10	Biomass Mapping Device	INDIA	406736-001	06.02.2024
11	Soil Moisture Profile Analyzing Device	INDIA	409043-001	28.02.2024
12	Solar Bioanalyzer Device	INDIA	410342-001	13.03.2024
13	Heavymetal Detection Device	INDIA	410875-001	18.03.2024
14	Compact Antimicrobial Bioassay Device	INDIA	412249-001	01.04.2024
15	Agricultural Water Allocating Machine	INDIA	415766-001	03.05.2024
16	Farming Management Device	INDIA	428734-001	30.08.2024

**THEME WISE PATENTS**







ORIGINAL

क्रम सं/ Serial No. : 170215



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

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डिजाइन सं. / Design No.

412249-001

तारीख / Date

01/04/2024

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **COMPACT ANTIMICROBIAL BIOASSAY DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Ramasamy Rajesh Kumar 2. Dr. Deepanker Bisht 3.Dr. Soumya Ranjan Dash 4.Dr. Biswajit Patra 5.Dr. Sarada Prasad Mohapatra के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to **COMPACT ANTIMICROBIAL BIOASSAY DEVICE** in the name of 1.Dr. Ramasamy Rajesh Kumar 2. Dr. Deepanker Bisht 3.Dr. Soumya Ranjan Dash 4.Dr. Biswajit Patra 5.Dr. Sarada Prasad Mohapatra.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्वधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :  
Date of Issue : 17/05/2024



उद्घाटन की तिथि

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The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





ORIGINAL

क्रम सं/ Serial No. : 162672



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

## डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No.

402309-001

तारीख / Date

16/12/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **WATER POLLUTION SOURCE LOCATING DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 10-05 में 1.Mr. Vishal Sadashiv Chaudhari 2. Mr. Sojomon Mathew 3.Mrs. Kanchan Sudhir Gorde 4.Narender Singh 5.Dr. Sarada Prasad Mohapatra 6.Sri Satikanta Sahoo 7.Dr. Pankaj Sharma के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 10-05 in respect of the application of such design to **WATER POLLUTION SOURCE LOCATING DEVICE** in the name of 1.Mr. Vishal Sadashiv Chaudhari 2. Mr. Sojomon Mathew 3.Mrs. Kanchan Sudhir Gorde 4.Narender Singh 5.Dr. Sarada Prasad Mohapatra 6.Sri Satikanta Sahoo 7.Dr. Pankaj Sharma.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :  
Date of Issue : 04/04/2024



उद्घाटन की तिथि

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The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





ORIGINAL

क्रम सं/ Serial No. : 153049



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

## डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No.

399763-001

तारीख / Date

10/11/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **WIRELESS HYDROPONIC FARMING**

**MONITORING CHAMBER** से संबंधित है, का पंजीकरण, श्रेणी 15-03 में 1.Dr. Kamran Abbas Mirza 2. Mr. Abhijeet Suresh Nikam 3.Mr. Matam Reddy Sai Srinivasa Karthik 4.Mrs. Gousia Hazra Anjum Khan 5.Sri Satikanta Sahoo 6.Dr. Vivek Chamoli 7.Dr. Sarada Prasad Mohapatra के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-03 in respect of the application of such design to **WIRELESS HYDROPONIC FARMING**

**MONITORING CHAMBER** in the name of 1.Dr. Kamran Abbas Mirza 2. Mr. Abhijeet Suresh Nikam 3.Mr. Matam Reddy Sai Srinivasa Karthik 4.Mrs. Gousia Hazra Anjum Khan 5.Sri Satikanta Sahoo 6.Dr. Vivek Chamoli 7.Dr. Sarada Prasad Mohapatra.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अधधीन प्रावधानों के अनुसरण में।

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जारी करने की तिथि : 11/01/2024  
Date of Issue



*(Signature)*  
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The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





ORIGINAL

क्रम सं/ Serial No. : 173944



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

## डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No.

415766-001

तारीख / Date

03/05/2024

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **AGRICULTURAL WATER ALLOCATION MACHINE** से संबंधित है, का पंजीकरण, श्रेणी 15-03 में 1.Dr Sudipta Acharya 2. Rubi Kambo 3.Dr. Binod Kumar 4.Mrs. Dhanashri D. Dhokate 5.Mr. Tapas Pattanayek 6.Dr. Sarada Prasad Mohapatra के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-03 in respect of the application of such design to **AGRICULTURAL WATER ALLOCATION MACHINE** in the name of 1.Dr Sudipta Acharya 2. Rubi Kambo 3.Dr. Binod Kumar 4.Mrs. Dhanashri D. Dhokate 5.Mr. Tapas Pattanayek 6.Dr. Sarada Prasad Mohapatra.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्वधीन प्रावधानों के अनुसरण में।

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जारी करने की तिथि :

Date of Issue

04/07/2024



उत्पात की पंक्ति

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ORIGINAL

क्रम सं/ Serial No. : 158854



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र

Certificate of Registration of Design

डिजाइन सं. / Design No.

404089-001

तारीख / Date

09/01/2024

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **PATHOGEN DETECTION NANO-SENSOR DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Sainudeen Pattazhy 2. Dr. Biswajit Patra 3.Pv Parvati Sai Arun 4.Mr. Chetan Sharad Sanap 5.Sachin Rajaram Bhangare 6.Dr. Sarada Prasad Mohapatra के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to **PATHOGEN DETECTION NANO-SENSOR DEVICE** in the name of 1.Dr. Sainudeen Pattazhy 2. Dr. Biswajit Patra 3.Pv Parvati Sai Arun 4.Mr. Chetan Sharad Sanap 5.Sachin Rajaram Bhangare 6.Dr. Sarada Prasad Mohapatra.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अधधीन प्रावधानों के अनुसरण में।

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जारी करने की तिथि :

Date of Issue

29/02/2024



उत्पात की संज्ञा

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\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





ORIGINAL

क्रम सं/ Serial No. : 165071



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र

Certificate of Registration of Design

डिजाइन सं. / Design No.

406736-001

तारीख / Date

06/02/2024

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *BIOMASS MAPPING DEVICE* से संबंधित है, का पंजीकरण, श्रेणी 14-02 में 1.Dr. Ishan Y Pandya 2. Dr. C. Ravinder Singh 3.Vipin Kumar Sharma 4.Dr. Sarada Prasad Mohapatra 5.Sri Lalit Chowdhury 6.Dr. Biswajit Patra 7.Sri Satikanta Sahoo के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 14-02 in respect of the application of such design to *BIOMASS MAPPING DEVICE* in the name of 1.Dr. Ishan Y Pandya 2. Dr. C. Ravinder Singh 3.Vipin Kumar Sharma 4.Dr. Sarada Prasad Mohapatra 5.Sri Lalit Chowdhury 6.Dr. Biswajit Patra 7.Sri Satikanta Sahoo.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अधधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :

Date of Issue

18/04/2024



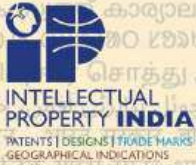
उद्घाटन की तिथि

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
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\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





ORIGINAL  
क्रम सं/ Serial No. : 163073



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

## डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 409043-001

तारीख / Date : 28/02/2024

पारस्परिकता तारीख / Reciprocity Date\* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **SOIL MOISTURE PROFILE ANALYZING DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 10-05 में 1.Dr. Devram Gopal Jadhav 2. Dr. Jagdish Tukaram Jadhav 3.Dr. Dilip Uttam Ahire 4.Ayush Vashisth 5.Dr. Sarada Prasad Mohapatra 6.Sri Lalit Chowdhury 7.Sri Satikanta Sahoo के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 10-05 in respect of the application of such design to **SOIL MOISTURE PROFILE ANALYZING DEVICE** in the name of 1.Dr. Devram Gopal Jadhav 2. Dr. Jagdish Tukaram Jadhav 3.Dr. Dilip Uttam Ahire 4.Ayush Vashisth 5.Dr. Sarada Prasad Mohapatra 6.Sri Lalit Chowdhury 7.Sri Satikanta Sahoo.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :  
Date of Issue : 05/04/2024



उद्घाटन की तिथि

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
Controller General of Patents, Designs and Trade Marks

\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





ORIGINAL

क्रम सं/ Serial No. : 168382



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

## डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No.

410342-001

तारीख / Date

13/03/2024

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **SOLAR BIOANALYZER DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Ramasamy Rajesh Kumar 2. Dr. Rupa Verma 3.Dr. Surya Narayan Pradhan 4.Dr. Soumya Ranjan Dash 5.Dr. Biswajit Patra 6.Dr. Sarada Prasad Mohapatra के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to **SOLAR BIOANALYZER DEVICE** in the name of 1.Dr. Ramasamy Rajesh Kumar 2. Dr. Rupa Verma 3.Dr. Surya Narayan Pradhan 4.Dr. Soumya Ranjan Dash 5.Dr. Biswajit Patra 6.Dr. Sarada Prasad Mohapatra.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्वधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :  
Date of Issue : 09/05/2024



उद्घाटन की तिथि

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\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





ORIGINAL

क्रम सं/ Serial No. : 172267



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र

Certificate of Registration of Design

डिजाइन सं. / Design No.

410875-001

तारीख / Date

18/03/2024

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **HEAVY METAL DETECTING PEN DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 10-05 में 1.Dr. Gundala Vijayakumar 2. Shital P. Dehankar 3.Dr. Manjusha Nandkumar Chavan 4.Dr. Tarkeshwari Verma 5.Dr. Sachin Sharma 6.Dr. Sarada Prasad Mohapatra के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 10-05 in respect of the application of such design to **HEAVY METAL DETECTING PEN DEVICE** in the name of 1.Dr. Gundala Vijayakumar 2. Shital P. Dehankar 3.Dr. Manjusha Nandkumar Chavan 4.Dr. Tarkeshwari Verma 5.Dr. Sachin Sharma 6.Dr. Sarada Prasad Mohapatra.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्वधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :

Date of Issue

06/06/2024



उद्घाटन की संज्ञा

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The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





ORIGINAL

क्रम सं/ Serial No. : 163073



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

## डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No.

409043-001

तारीख / Date

28/02/2024

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **SOIL MOISTURE PROFILE ANALYZING DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 10-05 में 1.Dr. Devram Gopal Jadhav 2. Dr. Jagdish Tukaram Jadhav 3.Dr. Dilip Uttam Ahire 4.Ayush Vashisth 5.Dr. Sarada Prasad Mohapatra 6.Sri Lalit Chowdhury 7.Sri Satikanta Sahoo के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 10-05 in respect of the application of such design to **SOIL MOISTURE PROFILE ANALYZING DEVICE** in the name of 1.Dr. Devram Gopal Jadhav 2. Dr. Jagdish Tukaram Jadhav 3.Dr. Dilip Uttam Ahire 4.Ayush Vashisth 5.Dr. Sarada Prasad Mohapatra 6.Sri Lalit Chowdhury 7.Sri Satikanta Sahoo.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :  
Date of Issue : 05/04/2024



उद्घात की संज्ञा

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Controller General of Patents, Designs and Trade Marks

\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





ORIGINAL

क्रम सं/ Serial No. : 170215



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

## डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No.

412249-001

तारीख / Date

01/04/2024

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **COMPACT ANTIMICROBIAL BIOASSAY DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Ramasamy Rajesh Kumar 2. Dr. Deepanker Bisht 3.Dr. Soumya Ranjan Dash 4.Dr. Biswajit Patra 5.Dr. Sarada Prasad Mohapatra के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to **COMPACT ANTIMICROBIAL BIOASSAY DEVICE** in the name of 1.Dr. Ramasamy Rajesh Kumar 2. Dr. Deepanker Bisht 3.Dr. Soumya Ranjan Dash 4.Dr. Biswajit Patra 5.Dr. Sarada Prasad Mohapatra.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्वधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :  
Date of Issue : 17/05/2024



उद्घाटन की तिथि

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
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\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





ORIGINAL

क्रम सं/ Serial No. : 173944



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र

Certificate of Registration of Design

डिजाइन सं. / Design No.

415766-001

तारीख / Date

03/05/2024

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **AGRICULTURAL WATER ALLOCATION MACHINE** से संबंधित है, का पंजीकरण, श्रेणी 15-03 में 1.Dr Sudipta Acharya 2. Rubi Kambo 3.Dr. Binod Kumar 4.Mrs. Dhanashri D. Dhokate 5.Mr. Tapas Pattanayek 6.Dr. Sarada Prasad Mohapatra के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-03 in respect of the application of such design to **AGRICULTURAL WATER ALLOCATION MACHINE** in the name of 1.Dr Sudipta Acharya 2. Rubi Kambo 3.Dr. Binod Kumar 4.Mrs. Dhanashri D. Dhokate 5.Mr. Tapas Pattanayek 6.Dr. Sarada Prasad Mohapatra.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्वधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :  
Date of Issue : 04/07/2024



उद्घाटन की तिथि

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
Controller General of Patents, Designs and Trade Marks

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The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





ORIGINAL

क्रम सं/ Serial No. : 165071



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र

Certificate of Registration of Design

डिजाइन सं. / Design No.

406736-001

तारीख / Date

06/02/2024

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *BIOMASS MAPPING DEVICE* से संबंधित है, का पंजीकरण, श्रेणी 14-02 में 1.Dr. Ishan Y Pandya 2. Dr. C. Ravinder Singh 3.Vipin Kumar Sharma 4.Dr. Sarada Prasad Mohapatra 5.Sri Lalit Chowdhury 6.Dr. Biswajit Patra 7.Sri Satikanta Sahoo के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 14-02 in respect of the application of such design to *BIOMASS MAPPING DEVICE* in the name of 1.Dr. Ishan Y Pandya 2. Dr. C. Ravinder Singh 3.Vipin Kumar Sharma 4.Dr. Sarada Prasad Mohapatra 5.Sri Lalit Chowdhury 6.Dr. Biswajit Patra 7.Sri Satikanta Sahoo.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अधधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :

Date of Issue

18/04/2024



उद्घाटन की संज्ञा

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न

Controller General of Patents, Designs and Trade Marks

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The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





ORIGINAL

क्रम सं/ Serial No. : 172267



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र

Certificate of Registration of Design

डिजाइन सं. / Design No.

410875-001

तारीख / Date

18/03/2024

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **HEAVY METAL DETECTING PEN DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 10-05 में 1.Dr. Gundala Vijayakumar 2. Shital P. Dehankar 3.Dr. Manjusha Nandkumar Chavan 4.Dr. Tarkeshwari Verma 5.Dr. Sachin Sharma 6.Dr. Sarada Prasad Mohapatra के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 10-05 in respect of the application of such design to **HEAVY METAL DETECTING PEN DEVICE** in the name of 1.Dr. Gundala Vijayakumar 2. Shital P. Dehankar 3.Dr. Manjusha Nandkumar Chavan 4.Dr. Tarkeshwari Verma 5.Dr. Sachin Sharma 6.Dr. Sarada Prasad Mohapatra.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्वधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :

Date of Issue

06/06/2024



उद्घाटन की तिथि

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
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The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





ORIGINAL

क्रम सं/ Serial No. : 168382



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

## डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No.

410342-001

तारीख / Date

13/03/2024

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **SOLAR BIOANALYZER DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Ramasamy Rajesh Kumar 2. Dr. Rupa Verma 3.Dr. Surya Narayan Pradhan 4.Dr. Soumya Ranjan Dash 5.Dr. Biswajit Patra 6.Dr. Sarada Prasad Mohapatra के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to **SOLAR BIOANALYZER DEVICE** in the name of 1.Dr. Ramasamy Rajesh Kumar 2. Dr. Rupa Verma 3.Dr. Surya Narayan Pradhan 4.Dr. Soumya Ranjan Dash 5.Dr. Biswajit Patra 6.Dr. Sarada Prasad Mohapatra.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्वधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :  
Date of Issue : 09/05/2024



उद्घाटन की तिथि

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\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





ORIGINAL

क्रम सं/ Serial No. : 146849



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र

Certificate of Registration of Design

डिजाइन सं. / Design No.

394824-001

तारीख / Date

11/09/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **TREKKER'S SMART SAFETY SHELTER** से संबंधित है, का पंजीकरण, श्रेणी 21-04 में 1.Zakir Ali 2. Dr. Umesh Kumar Singh 3.Dr. Sarada Prasad Mohapatra 4.Dr. Kiranpal Singh Virk 5.Mr. Ranteg Singh Virk 6.Prabhakar Sharma के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 21-04 in respect of the application of such design to **TREKKER'S SMART SAFETY SHELTER** in the name of 1.Zakir Ali 2. Dr. Umesh Kumar Singh 3.Dr. Sarada Prasad Mohapatra 4.Dr. Kiranpal Singh Virk 5.Mr. Ranteg Singh Virk 6.Prabhakar Sharma.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अधधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :  
Date of Issue 26/10/2023



महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
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\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





ORIGINAL

क्रम सं/ Serial No. : 153049



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

## डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No.

399763-001

तारीख / Date

10/11/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **WIRELESS HYDROPONIC FARMING**

**MONITORING CHAMBER** से संबंधित है, का पंजीकरण, श्रेणी 15-03 में 1.Dr. Kamran Abbas Mirza 2. Mr. Abhijeet Suresh Nikam 3.Mr. Matam Reddy Sai Srinivasa Karthik 4.Mrs. Gousia Hazra Anjum Khan 5.Sri Satikanta Sahoo 6.Dr. Vivek Chamoli 7.Dr. Sarada Prasad Mohapatra के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-03 in respect of the application of such design to **WIRELESS HYDROPONIC FARMING**

**MONITORING CHAMBER** in the name of 1.Dr. Kamran Abbas Mirza 2. Mr. Abhijeet Suresh Nikam 3.Mr. Matam Reddy Sai Srinivasa Karthik 4.Mrs. Gousia Hazra Anjum Khan 5.Sri Satikanta Sahoo 6.Dr. Vivek Chamoli 7.Dr. Sarada Prasad Mohapatra.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अधधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि : 11/01/2024  
Date of Issue



*(Signature)*  
महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न

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The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





ORIGINAL

क्रम सं/ Serial No. : 162672



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

## डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No.

402309-001

तारीख / Date

16/12/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **WATER POLLUTION SOURCE LOCATING DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 10-05 में 1.Mr. Vishal Sadashiv Chaudhari 2. Mr. Sojomon Mathew 3.Mrs. Kanchan Sudhir Gorde 4.Narender Singh 5.Dr. Sarada Prasad Mohapatra 6.Sri Satikanta Sahoo 7.Dr. Pankaj Sharma के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 10-05 in respect of the application of such design to **WATER POLLUTION SOURCE LOCATING DEVICE** in the name of 1.Mr. Vishal Sadashiv Chaudhari 2. Mr. Sojomon Mathew 3.Mrs. Kanchan Sudhir Gorde 4.Narender Singh 5.Dr. Sarada Prasad Mohapatra 6.Sri Satikanta Sahoo 7.Dr. Pankaj Sharma.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :  
Date of Issue : 04/04/2024



उद्घात की संज्ञा

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
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\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





ORIGINAL

क्रम सं/ Serial No. : 158854



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र

Certificate of Registration of Design

डिजाइन सं. / Design No.

404089-001

तारीख / Date

09/01/2024

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **PATHOGEN DETECTION NANO-SENSOR DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Sainudeen Pattazhy 2. Dr. Biswajit Patra 3.Pv Parvati Sai Arun 4.Mr. Chetan Sharad Sanap 5.Sachin Rajaram Bhangare 6.Dr. Sarada Prasad Mohapatra के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to **PATHOGEN DETECTION NANO-SENSOR DEVICE** in the name of 1.Dr. Sainudeen Pattazhy 2. Dr. Biswajit Patra 3.Pv Parvati Sai Arun 4.Mr. Chetan Sharad Sanap 5.Sachin Rajaram Bhangare 6.Dr. Sarada Prasad Mohapatra.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्वधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :

Date of Issue

29/02/2024



उत्पात की पंक्ति

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
Controller General of Patents, Designs and Trade Marks

\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6315608

Grant date: 06 October 2023

Registration date: 28 September 2023

## This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr. Sarada Prasad Mohapatra, Dr. Budumuru Rajesh, Dr. Vandana Singh, Dr.

Biplab Kumar Singh, Mr. Pawan Kumar Singh

in respect of the application of such design to:

ENVIRONMENTAL POLLUTION DETECTING DEVICE

International Design Classification:

Version: 14-2023

Class: 10 CLOCKS AND WATCHES AND OTHER MEASURING  
INSTRUMENTS, CHECKING AND SIGNALLING INSTRUMENTS

Subclass: 05 INSTRUMENTS, APPARATUS AND DEVICES FOR CHECKING,  
SECURITY OR TESTING

**Adam Williams**

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

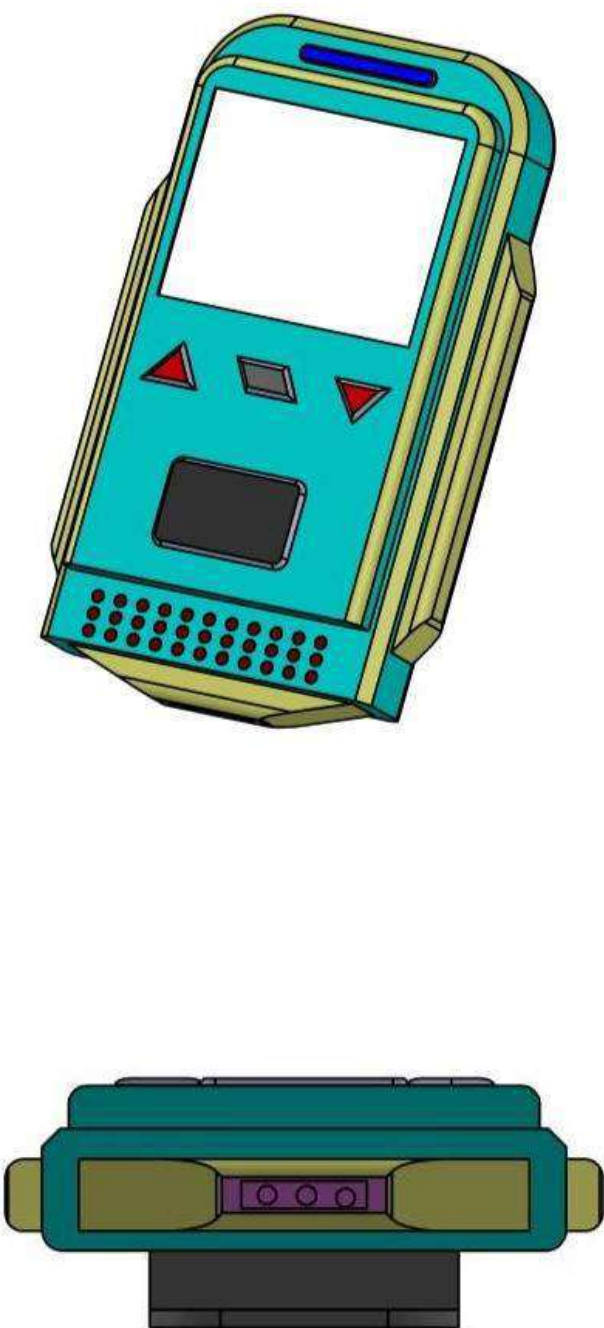
The attention of the Proprietor(s) is drawn to the important notes overleaf.

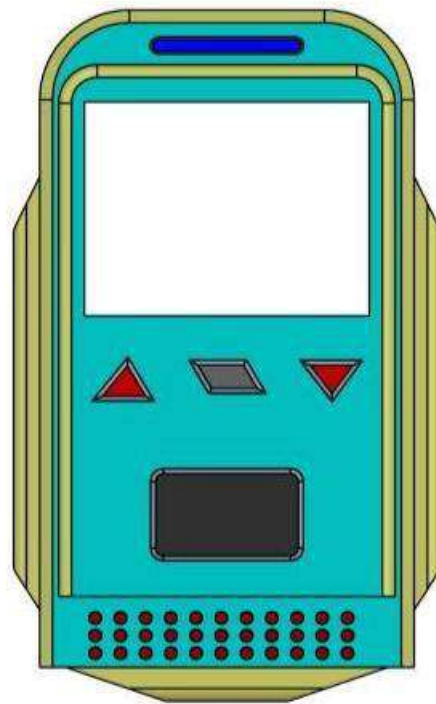
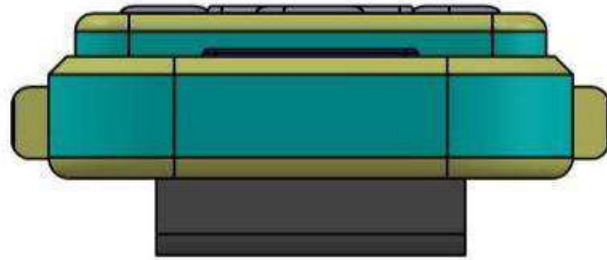


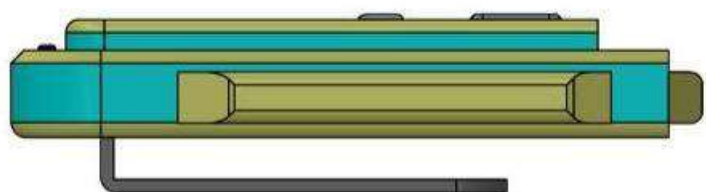
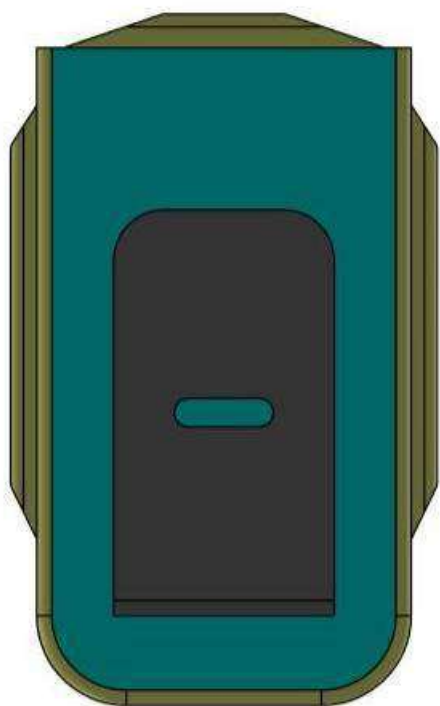
Intellectual Property Office is an operating name of the Patent Office

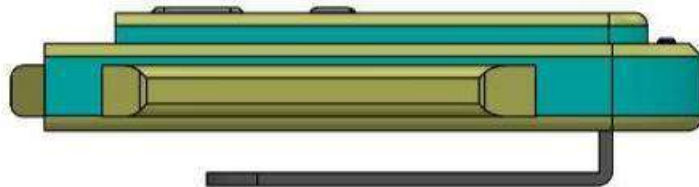
[www.gov.uk/ipo](http://www.gov.uk/ipo)

Representation of Designs









Intellectual Property Office is an operating name of the Patent Office

[www.gov.uk/ipo](http://www.gov.uk/ipo)





ORIGINAL  
क्रम सं/ Serial No. : 183343



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

## डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 428734-001

तारीख / Date : 30/08/2024

पारस्परिकता तारीख / Reciprocity Date\* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **FARMING MANAGEMENT DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 15-03 में 1.Dr. Reema Upadhyay 2. Dr. Alpana Rani 3.Arka Dev Dutta 4.Dr. Vishal Tukaram Aparadh 5.Dr. Sarada Prasad Mohapatra 6.Sri Lalit Chowdhury के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-03 in respect of the application of such design to **FARMING MANAGEMENT DEVICE** in the name of 1.Dr. Reema Upadhyay 2. Dr. Alpana Rani 3.Arka Dev Dutta 4.Dr. Vishal Tukaram Aparadh 5.Dr. Sarada Prasad Mohapatra 6.Sri Lalit Chowdhury.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्वधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :  
Date of Issue : 24/10/2024



उद्घाटन की तिथि

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
Controller General of Patents, Designs and Trade Marks

\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





ORIGINAL

क्रम सं/ Serial No. : 150680



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

## डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No.

398482-001

तारीख / Date

26/10/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **FUNGICIDE COATING SEED TREATING BOX** से संबंधित है, का पंजीकरण, श्रेणी 15-03 में 1.Apurva Tripathi 2. Rutuja Nitin Sonawane 3.Dr. Akalesh Kumar Verma 4.Mr. Chetan Sharad Sanap 5.Dr. Sarada Prasad Mohapatra 6.Dr. Shushant Kumar Kaushik के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-03 in respect of the application of such design to **FUNGICIDE COATING SEED TREATING BOX** in the name of 1.Apurva Tripathi 2. Rutuja Nitin Sonawane 3.Dr. Akalesh Kumar Verma 4.Mr. Chetan Sharad Sanap 5.Dr. Sarada Prasad Mohapatra 6.Dr. Shushant Kumar Kaushik.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अधधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :  
Date of Issue 21/12/2023



महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
Controller General of Patents, Designs and Trade Marks

\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





ORIGINAL

क्रम सं/ Serial No. : 198811



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र

Certificate of Registration of Design

डिजाइन सं. / Design No.

449697-001

तारीख / Date

28/02/2025

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **AI-BASED MICROWAVE RADIATION BIO-IMPACT MAPPING DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 24-02 में 1.Dr. Sacheen Kumar 2. P. Arunkumar 3.Sri Satikanta Sahoo 4.Dr. Sarada Prasad Mohapatra 5.Yashwant Singh Chandra के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-02 in respect of the application of such design to **AI-BASED MICROWAVE RADIATION BIO-IMPACT MAPPING DEVICE** in the name of 1.Dr. Sacheen Kumar 2. P. Arunkumar 3.Sri Satikanta Sahoo 4.Dr. Sarada Prasad Mohapatra 5.Yashwant Singh Chandra.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अधधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि : 08/05/2025  
Date of Issue



उत्तराधिकारी

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
Controller General of Patents, Designs and Trade Marks

\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





ORIGINAL

क्रम सं/ Serial No. : 150292



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र

Certificate of Registration of Design

डिजाइन सं. / Design No.

398267-001

तारीख / Date

23/10/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **HERBAL MEDICINE FORMULATING MACHINE** से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Abhaya R. Joglekar 2. Dr. Dipanjali Saikia 3.Dr. Manohar Rajendra Patil 4.Dr. Manoj Kumar Sahani 5.Dr. Sarada Prasad Mohapatra 6.Mr. Bhavesh Bharat Amrute के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to **HERBAL MEDICINE FORMULATING MACHINE** in the name of 1.Dr. Abhaya R. Joglekar 2. Dr. Dipanjali Saikia 3.Dr. Manohar Rajendra Patil 4.Dr. Manoj Kumar Sahani 5.Dr. Sarada Prasad Mohapatra 6.Mr. Bhavesh Bharat Amrute.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अधधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :  
Date of Issue 14/12/2023



महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
Controller General of Patents, Designs and Trade Marks

\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.



# Certificate



**WAGENINGEN**  
UNIVERSITY & RESEARCH

## **E-course Food Systems**

Facilitated by Wageningen Centre for Development Innovation  
Wageningen, the Netherlands

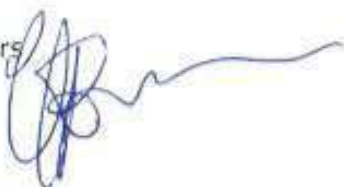
7 February 2022 – 25 March 2022

This is to certify that

**Dr. Sarada Prasad Mohapatra**

participated and successfully completed the E-course Food Systems with following course modules: (1) Why does a food systems approach matter;  
(2) Making food systems analysis work; (3) The process of transforming food systems;  
(4) Governance of transforming food system

Herman Brouwers  
Lead facilitator  
Module 1

A blue ink signature of Herman Brouwers.

Just Dengerink  
Lead facilitator  
Module 2

A blue ink signature of Just Dengerink.

Joost Guijt  
Lead facilitator  
Module 3

A blue ink signature of Joost Guijt.

Bart de Steenhuijsen Piters  
Lead facilitator  
Module 4

A blue ink signature of Bart de Steenhuijsen Piters.

॥ ओडिशा विशेष सम्मान ॥



Global Scholars Foundation

GYAN

॥ भूषण पुरस्कार ॥

❖ 2023 ❖

*Best Head, Department of Botany  
N. C. Autonomous College Odisha*

*Proudly Awarded to*

***Dr. Sarada Prasad Mohapatra***

*21<sup>st</sup> May 2023, The Manohar, Hyderabad.*

Mr. Sunil Belgave,  
President, GSF



SBP-OD-0001

Padma Shri  
Dr. Alampur Saibaba Goud





# CERTIFICATE OF COMPLETION


THIS ACKNOWLEDGES THAT

**Dr. Sarada Prasad  
Mohapatra**

HAS SUCCESSFULLY COMPLETED THE

**Project Learning Tree Canada/  
World Forestry Congress Green Mentor Program**

Kathy Abusow  
President and CEO, Project Learning Tree Canada



July 12, 2022

**GROWING FUTURE FOREST AND  
CONSERVATION LEADERS**



# SCIENTISTS MEET & INTERNATIONAL CONFERENCE

ON  
"DRUG DISCOVERY AND DEVELOPMENT IN  
AGROBIOTECHNOLOGY AND PHARMACEUTICAL SCIENCES"

Organised by  
Smt. N.M. Padalia Pharmacy College, Ahmedabad, Gujarat, India  
&  
Global Agrobiotech Research Foundation, Ahmedabad, Gujarat, India  
November 23<sup>rd</sup> - 25<sup>th</sup>, 2019



Dr. Sarada Prasad Mohapatra  
M.Sc. Botany, Ph.D. (R.U., Cuttack)  
FERC (India)

## CITATION EMINENT YOUNG SCIENTIST AWARD - 2019 IN THE LOVABLE, BENIGN AND IMMORTAL MEMORY

OF

Late Mohari Devi & Late Dr Sheo Gulam Sahu  
(Parents of Dr. (Mrs.) Usha Prasad Gupta & Dr Ram Lal Ram, Former University  
Professor & Head, Department of Botany, Marwari College, Ranchi, Jharkhand, India  
(An Autonomous College for potential with excellence of Ranchi University, Ranchi, Jharkhand, 834001)

**Dr. SARADA PRASAD MOHAPATRA**, Associate Prof. & Head, Department of Botany, Narasingh  
Choudhury Autonomous College, Jajpur, Odisha, India

The Repute Institutions feel great pleasure in presenting the "EMINENT YOUNG SCIENTIST AWARD - 2019" to DR. SARADA PRASAD MOHAPATRA for his outstanding contribution and researches in the fields of Environmental Sciences, Ethnobotany, Agriculture, Biotechnology, Environmental Ethics and Bioremediation.

**Dr. Mohapatra** was awarded Ph.D. degree in Environmental Science on "Ecosystem Function in Tribal Village of Bolangir District, Odisha" from Ravenshaw University, Cuttack, Odisha, India. **Dr. Mohapatra** has published more than 50 research papers in the Journal of repute and presented papers in various National & International Conferences at Nepal, Malaysia, Bhutan and Thailand. He is also member of various scientific bodies, the Academy of Plant Sciences India, American Society of Plant Biologists, USA, member of World Energy and Environment Technology, UK, Fellow member of Eudoxia Research Centre and Institute of Scholars, Bangalore, India. Recently a research project is continuing on "Agnihotra and its Implication in Agriculture" in collaboration with Dr. Ulrich Berk, German Institute of Homa Therapy, Germany. For these "Novel & Challenging" endeavour, the credit goes to **Dr. Mohapatra**.

In the recognition of his contribution in the fields of research and extraordinary achievements, the repute Institution joyfully extending the "HONOUR" to the **Dr. Sarada Prasad Mohapatra** with a Gold Medal in the "SCIENTISTS MEET & INTERNATIONAL CONFERENCE - 2019" on the Day of 23<sup>rd</sup> of November 2019 at Smt. N.M. Padalia Pharmacy College, Ahmedabad, Gujarat, India. May god bless him! November 23, 2019

(Prof. P. Kaushik)

President  
(ICDDAPs)  
APSI, India

(Dr. S.K. Gupta)

Conference Co-Ordinator  
(ICDDAPs)  
General Secretary  
APSI, India

(Prof. R.L. Ram)

National Advisory Committee  
(ICDDAPs)  
Fellow APSI, India

(Dr. K.M. Patel)

President (GABTRF)  
Convener (ICDDAPs)  
Fellow APSI, Director (Academic)  
SNMP Pharmacy College, Ahmedabad, India

(Dr. Jitendra Bhangale)

Principal  
Organising Secretary (ICDDAPs)  
SNMP Pharmacy College, Ahmedabad  
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# ACADEMY OF PLANT SCIENCES INDIA

## CITATION



**APSI Mirat - Madhav Life Time  
Achievement Award**

**2019**

**Dr. Sarada Prasad Mohapatra**

Dr. S.P. Mohapatra

The Academy feels great pleasure in presenting **APSI Mirat - Madhav Life Time Achievement Award** to **Dr. S.P. Mohapatra**, Head, Department of Botany, Narasingh Chaudhary Autonomous College, Jajpur, Odisha, for his outstanding contribution and research in the field of **Environmental Sciences and Ethnobotany**.

Educated at Ravenshaw University, Cuttak, Odisha for his Master's and Doctrade degree, **Dr. Mohapatra** has published more than 50 **Research papers** in Journals of repute and presented papers in various National and International Conferences. He is also a member of several scientific bodies and has received many awards and fellowships. Recently in 2019 he has received award from CSIR New Delhi and National level Award as Iconic Faculty at Jaipur, Rajasthan He visited Sarawak, Malaysia in 2012 to attend 4<sup>th</sup> Global summit on effects of climate change on Medicinal and Aromatic Plants and in 2019 he visited Bangkok, Thailand and Kathmandu, (Nepal) and participated in International Conference.

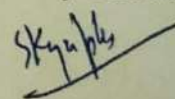
Considering the very sincere efforts of **Dr. S.P. Mohapatra** for his outstanding and extraordinary achievements of research in various fields of Plant Sciences. The Academy takes this opportunity of honouring him with a Medal, which is a token of Academy's recognition of the rare distinction, he has earned in his specialized field of research.

May God Bless Him !

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Place : Smt. N.M. Padalia Pharmacy College  
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Dr. S.P. Mohapatra



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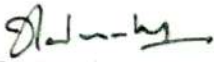
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# Stakeholders' Contribution Document

## UN Food Systems Summit +2 Stocktaking Moment

*“Shadow Report to the UNFSS+2”*

4 July 2023

### Summary

In preparation for the upcoming UN Food Systems Summit +2 Stocktaking Moment (UNFSS+2), the UN Food Systems Coordination Hub invited stakeholders to participate in a survey in order to gather valuable insights regarding stakeholder experiences in implementing and supporting food systems transformations leading up to the UNFSS+2. The results of the survey were analyzed and a draft report was produced by an independent author. The draft report was peer-reviewed by the Hub's Stakeholders Engagement and Networking Advisory Group (SENA Group) through a series of meetings. The SENA group provided revisions to the report and finalized the content. This report is submitted to the UNFSS+2 as the “Stakeholders Contribution Document” or “Shadow Report to the UNFSS+2”.

The stakeholders were asked to provide their inputs and opinions on the following aspects.

- **The Stakeholders' contribution to the UN FSS follow up:** The survey results revealed that every stakeholder has played a valuable role in driving food systems transformation. Organizations of Women, Indigenous Peoples, Youth and Producers have been active in awareness raising and capacity development of their constituencies supporting them to improve their livelihoods through safe food production, agro-processing, including livestock production. Indigenous Peoples groups have contributed with knowledge and wisdom as to the land generally and agriculture specifically. NGOs and academic institutions brought valuable expertise to better understand food systems issues and provide solutions. Business and industry have taken steps to implement the Business Declaration signed by 220 executives as part of the UN Food System Summit, with support from business membership organizations.
- **Positive actions taken by countries, the UN System and the Ecosystem of Support to meaningfully engage stakeholders in the FSS follow up:** Cases of strong collaboration between different groups have been reported. These include collaborations between private sector actors with state actors in areas as sustainable agricultural production and nutrition. Collaboration of youth organizations with government actors to fight hunger through local production, participation of women organizations in national planning dialogues, as well as country level multi-stakeholder collaboration to develop a common perspective on food systems transformation have been reported.
- **Persistent challenges faced by Stakeholders and areas that need improvement.** In general, resource allocation and management and coordination at both the national and local levels and with the UN have been identified as persistent challenges. The responses also indicated a fragmented vision for food system at the national level as well as challenges to identify government contacts for food systems transformation. Stakeholders, especially those whose constituencies are often marginalized insisted that there is a necessity for increased resource



allocation. Stakeholders noted that government priorities change dramatically from one administration to the next, thus hampering food system transformation priorities. Women, particularly women smallholders, should be better represented and resources better allocated to meet their needs. Stakeholders noted that women farmers do not receive the same level of attention as their male counterparts in terms of policy and accessing commercial markets. Indigenous knowledge and wisdom along with support for Indigenous Peoples generally require resource commitments. The respondents noted that local governments often lack the technical expertise or the funding necessary to actively support food system transformation initiatives. They underlined that resource constraints include infrastructure deficits, which also can impede progress. At the same time, access to publicly available data and its integration in decision-making needs to be strengthened to unlock public, private, and non-profit tools, services and investments.

- **Stakeholders' opinion on how to link the UNFSS+2 to other global initiatives and other global processes.** While all of the stakeholders believed that food systems transformation should be linked to global agendas, they had different views on the extent to which such linkages should occur. Many argued that effective linkages should occur if agendas are streamlined. There was a general belief that the UNFSS+2 can provide an opportunity to assess progress towards achieving the SDGs related to food security, climate action, and sustainable development and that linking the UNFSS+2 to other global initiatives can enhance synergies, amplify impact, and promote collective action towards common goals. Other stakeholders felt that global agendas need to be effectively linked in different ways. They noted that food systems transformation cross-pollinates the SDGs and is intertwined with climate change and biodiversity. At the same time, there was a sense among some stakeholders that there were “too many” summits. Stakeholders underlined the need for a “more holistic approach” to the 2030 Agenda and the achievement of the SDGs. Their critique of the current global agenda was that while there was a great deal of emphasis on integration and coordination, a more consistent effort was required to monitor and report the progress of governments and other stakeholders in strengthening the food system and achieving the SDGs.
- **Priority actions planned by Stakeholders for the two years after the UNFSS+2.** Stakeholders shared a wide range of priority activities they plan to undertake in the next two years to support food systems transformation in their respective countries. These include but are not limited to: commitments to promoting sustainable agricultural production, biodiversity preservation, home food production, and circular agriculture; strengthening the organization of food system workers, especially women; advocacy for national-level educational programmes such as agroecology initiatives; strengthening partnerships with other actors, implementing advocacy programmes to raise awareness among policymakers about the challenges faced by family farmers; promote innovation and strengthen technology adoption to reduce environmental impact of food production.
- **Recommendations for other actors and Stakeholders.** Stakeholders shared a number of recommendations such as: encouraging scientific research and ensuring it is translated into practical solutions, as well as including Indigenous Peoples' issues and farmer-driven approaches in research efforts; for the UN system to establish direct channels of communication with stakeholders at the national level and provide funding for policy implementation and projects. Governments are urged to create mechanisms for increased engagement with NGOs, particularly Indigenous Peoples' groups, and to support graduate programmes focused on food systems. Ensuring farmers/producers' access to climate finance, co-ownership of climate initiatives, and supporting small and medium-sized enterprises in developing business plans to



facilitate access to finance have also been seen as essential steps. Gender mainstreaming and empowerment of women were constantly asked by the stakeholders.

The analysis of the responses and further consultation with the Hub's SENA Group indicate that in order to support the National Pathways for sustainable food systems transformation, there is a need to develop a multi-stakeholder, multi-sectoral architecture. Such an architecture, for example, would not only acknowledge the need for greater resource allocation but also provide a process for addressing such needs. Such architecture should entail and accomplish the following 3 main aspects:

1. Better "food systems transformation governance" at country level
2. Recognize equity as a cross-cutting key dimension of food systems transformation
3. Articulate linkages with other global agendas, not only at the global level, but at the country level.

For the Stakeholders the UNFSS+2 is expected to serve as a forum to share knowledge, good practices, scalable solutions and expertise with the ultimate objective to ensure everyone has access to healthy and affordable food. Additionally, Stakeholders believe that the UNFSS+2 should provide a comprehensive assessment of the current state of global food systems, taking into account diverse perspectives, challenges, and opportunities of the different food systems actors. Respondents considered important for the UNFSS+2 to help finding ways to phase out unsustainable food systems practices, avoid food waste, in particular postharvest loss, ensure grassroots organizations' voices are heard, and that the role of all stakeholders, including women farmers, women informal workers, Youth, Indigenous Peoples, Farmers/Producers, the Private Sector, including micro, small and medium-sized enterprises, NGOs and the Scientific and Technological Community in sustainable food systems transformation is highlighted.

Stakeholders also hope that the UNFSS+2 will be successful in mobilizing resources for the implementation of the SDGs as they relate to food system transformation and that the UNFSS+2 would result in workable recommendations that will facilitate the implementation of enabling policies and thus pave the way for the development of concrete work plans for food systems transformation at international, regional, local and community levels.



## I. Introduction and background

Food represents more than just sustenance; it embodies culture and is essential for the survival of billions of people worldwide. Each day, we engage in the critical activities of producing, harvesting, processing, and transporting food to both markets and our homes, before consuming it. Informed by availability and accessibility, we make choices about what to eat. These daily routines form the bedrock of our lives, cultures, economies, and our connection with the natural world. Equally as important, food instils hope, with women and young people often playing pivotal roles in fostering food systems that unite families, communities, and nations in harmony with nature.

As the Decade of Action to achieve the Sustainable Development Goals (SDGs) by 2030 entered its third year, it is evident that many of the world's food systems are alarmingly fragile and fall short of ensuring adequate food for all. Hunger is resurging, impacting nearly three billion people, which accounts for nearly half of the global population. A healthy and balanced diet remains financially out of reach for these individuals. Meanwhile, malnutrition in all its forms, including obesity, has become deeply entrenched, resulting in far-reaching negative consequences for health, education, gender equality, and the economy. Poverty and significant inequality further exacerbate the drivers of food insecurity and malnutrition, compounded by factors such as conflict, climate extremes, and economic volatility.

Our current food system is vulnerable. Climate change and biodiversity loss have increasingly harmful effects on food production and local producers. The recent report from the Intergovernmental Panel on Climate Change (IPCC) highlights that, unless global greenhouse gas emissions are halved in the next decade, temperatures exceeding 1.5°C and 2°C above pre-industrial levels will be surpassed during the 21st century, intensifying the challenges faced by food systems.<sup>1</sup>

Recent findings indicate that food systems contribute up to more than one-third of global greenhouse gas emissions and are the primary driver of biodiversity loss.<sup>2</sup> Globally agriculture accounts for over 70 percent of freshwater use.<sup>3</sup> However, it is crucial to recognize sustainable food production systems equally as an integral part of the solution to these pressing issues. We do have the potential to nourish a growing global population while safeguarding our planet. With adequate and appropriate financing, food and agriculture systems can drive 20% of the emissions reductions needed to reach the 2050 climate goals and generate USD 4.5 trillion in new market opportunities each year.

Considering these immense challenges, in 2021 the United Nations has convened a diverse array of stakeholders, engaging tens of thousands of individuals from local to global levels, on a transformative journey known as the United Nations Food Systems Summit (UN FSS). The "Solutions Summit," showcased proposals for catalyzing transformative action towards achieving the SDGs by 2030.

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<sup>1</sup>The Intergovernmental Panel on Climate Change; AR6 Synthesis Report: Climate Change 2023; <https://www.ipcc.ch/ar6-syr/>

<sup>2</sup> Crippa, M., Solazzo, E., Guizzardi, D. et al. Food systems are responsible for a third of global anthropogenic GHG emissions. *Nat Food* 2, 198–209 (2021). <https://doi.org/10.1038/s43016-021-00225-9> and <https://www.fao.org/news/story/en/item/1379373/icode/>; Benton, T., Bieg, C., Harwatt, H. et al. Food systems impacts on biodiversity loss. Three levers for food system transformation in support of nature. Research Paper. Chatham House. February 2021. Available at: [https://www.chathamhouse.org/sites/default/files/2021-02/2021-02-03-food-system-biodiversity-loss-benton-et-al\\_0.pdf](https://www.chathamhouse.org/sites/default/files/2021-02/2021-02-03-food-system-biodiversity-loss-benton-et-al_0.pdf);

<sup>3</sup> FAO. Water for Sustainable Food and Agriculture. A report produced for the G20 Presidency of Germany. Rome, 2017. <https://www.fao.org/3/i7959e/i7959e.pdf>



As a follow-up to the Summit, the UN Secretary-General has committed in his Chair Summary and Statement of Action on the UN Food Systems Summit to convene *“a global stocktaking meeting every 2 years to review progress in implementing the outcomes of this process and its contributions to the achievement of the 2030 Agenda.”* The first Stocktaking Moment, UNFSS+2, will occur from 24 to 26 July 2023 hosted by Italy, in collaboration with the Rome-based UN Agencies (FAO, IFAD, WFP), the UN Food Systems Coordination Hub, and the wider UN System. The aim is to provide opportunities for countries to report on progress made at the national level since the UN Food Systems Summit and their contributions to the achievement of the 2030 Agenda – despite a current global context that has substantially changed since 2021.

The UNFSS+2 is committed to multi-stakeholder participation and dialogue across all communities and stakeholders. The UN Food Systems Coordination Hub engages widely with food systems stakeholders to ensure a robust follow up to the UN FSS to support the 2030 Agenda through food systems transformation. It established the Stakeholder Engagement and Networking Advisory (SENA) Group to engage with and advise the Hub over time, with self-nominated focal points of priority constituencies (stakeholders) as defined in the UN SG Statement of Action, particularly Youth, Indigenous Peoples, Producers, Women, and the Private Sector.

In preparation for the UNFSS+2, the Hub invited stakeholders to complete a survey<sup>4</sup> capturing their journey to the UNFSS+2 and what they have been doing to implement or support food systems transformations.

In particular, this survey aimed to:

- Highlight the steps the organizations/stakeholder groups have taken to support the implementation of the National Pathways and other actions related to food systems transformation as a follow up to the UN FSS;
- identify views on the FSS follow-up including positive actions taken, persistent challenges, and linkages to other global initiatives and
- collect stakeholders’ expectations from the UNFSS+2 and their recommendations on the way forward, including their own priority actions.

The results of the survey were analyzed and a draft report was produced by an independent author. The draft report was peer-reviewed by the Hub’s Stakeholders Engagement and Networking Advisory Group (SENA Group) through a series of meetings. The SENA group provided revisions to the report and finalized the content.

This report is submitted to the UNFSS+2 as the “Stakeholders Contribution Document” or “Shadow Report to the UNFSS+2”.

## Structure of the report

This report is divided into five main sections.

- The introduction and background section describes the problems and potential solutions associated with food systems and the SDGs and gives a short narrative of the UN FSS.

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<sup>4</sup> For the survey questions, see annex 1.



- The second section highlights activities the organizations/stakeholder groups have taken to support the implementation of the National Pathways and other actions related food systems transformation as follow up to the UN FSS, including good practices.
- The third section examines stakeholders' opinions on positive actions taken by countries, the UN System, and the Ecosystem of Support to meaningfully engage stakeholders in the FSS follow up. The section also addresses stakeholders' views on persisting challenges and areas that need improvement regarding meaningfully engaging stakeholders in the FSS follow up by countries, the UN System, and the Ecosystem of Support.
- The fourth section includes stakeholders' opinion on how to link the UNFSS+2 to other global initiatives, such as the 2023 SDG Summit, the 2024 Summit of the Future, the COP and other global processes.
- The fifth section examines priority actions the organizations/stakeholder groups are planning to take during the next two years to support the implementation of food systems transformation in their country. Additionally, it includes Stakeholders' proposals and recommendations on what should be done after the UNFSS+2 in order to ensure the different stakeholder groups effectively participate in and contribute to the UN FSS follow up actions in support of and aligned with countries' food systems transformations and related global and regional initiatives.

## II. Stakeholders' Contributions to the follow up actions of the UN FSS

This section highlights activities the organizations/stakeholder groups have taken to support the implementation of the National Pathways or/and other actions related to food systems transformation as follow up to the UN FSS.

Each stakeholder brings important contributions to the food systems transformation journey. Moreover, each stride forward represents a diversity of emphasis, skills and aspiration and often the actions of one stakeholder have a positive impact on others.

Stakeholders made remarkable contributions in various environments. Many of their contributions came in the form of information-sharing, capacity building, and advocacy. In some cases, this took place at the local and regional levels. In other cases, advocacy occurred at the level of national governments, UN agencies, and regional integration organizations.

Organizations of Women, Indigenous Peoples, Youth and Farmers/Producers have been active in awareness raising and capacity development of their constituencies supporting them to improve their livelihoods through safe food production, agro-processing, including livestock production, reduction and management of food waste, the use of sustainable agricultural practices and organic food production, certification and good nutrition practices through setting up nutrition clubs, for example. These groups have been playing an important role in mobilizing and organizing their members and communities, enhancing their capacities so that they can better advocate for their own needs. Some of these stakeholders have played an important role in organizing and/or contributing to UNFSS consultations at various levels and have also joined and contributed to the work of UNFSS Coalitions. Youth-led initiatives and partnerships have helped to enhance food access, promote regenerative agriculture practices, and foster social justice within the food system. In all, young people and youth organizations have played a pivotal role as change agents seeking to shape inclusive and resilient food systems.



Businesses have taken steps to implement the Business Declaration<sup>5</sup> signed by 220 executives as part of the UN Food System Summit, with support from business membership organizations. Business and Industry Stakeholders reported the incorporation of clean technology in their own practices, supporting NGOs and other business service organizations in technology development and transfer, reducing greenhouse gas emissions, postharvest handling of farm produce, natural resource management, yield increase fertilizer efficiency, and in general improving food supply chains. Engaging with farmer networks, organizing roundtables with them to better understand their challenges and foster stronger relationships between them and the business and industry sectors, and supporting smallholder ecosystem solutions (e.g., switching to agroforestry) through carbon credit were also among the positive actions taken by this stakeholder group. Similarly, to the Youth, Indigenous Peoples, and Women, several Business and Industry stakeholders have also been part of some of the coalitions launched by the UNFSS.

The Science and Technological Community brought examples of supporting national food system processes to allow for the national follow up on the UNFSS. These included the development of a systemic scientific guideline to support the implementation of the national pathway towards sustainable food systems transformation and support to the setting up of a national citizens' council for food policy and food system transformation. They have also played an important role in promoting sustainable agricultural practices, sustainable management of water resources; climate risk analysis, resilience and adaptation, renewable energy use and agricultural water management through training and research.

The range of NGO activities reported is ample and includes everything from providing out of-date supermarket food to local communities to urban agriculture to coordinating smallholders and assisting them on food security issues by providing training in smart agriculture technologies and climate change resilience practices among others. Several work in the field of extreme poverty and food insecurity eradication and women's and youth empowerment. Others shared examples of their work in promoting plant-based diet, working with school canteens to promote healthy diet among school children as well as supporting the preparation of voluntary national progress reports on SDG progress or building the evidence-base about food systems through scientific research. In many cases, stakeholders lent additional support to other stakeholder groups.

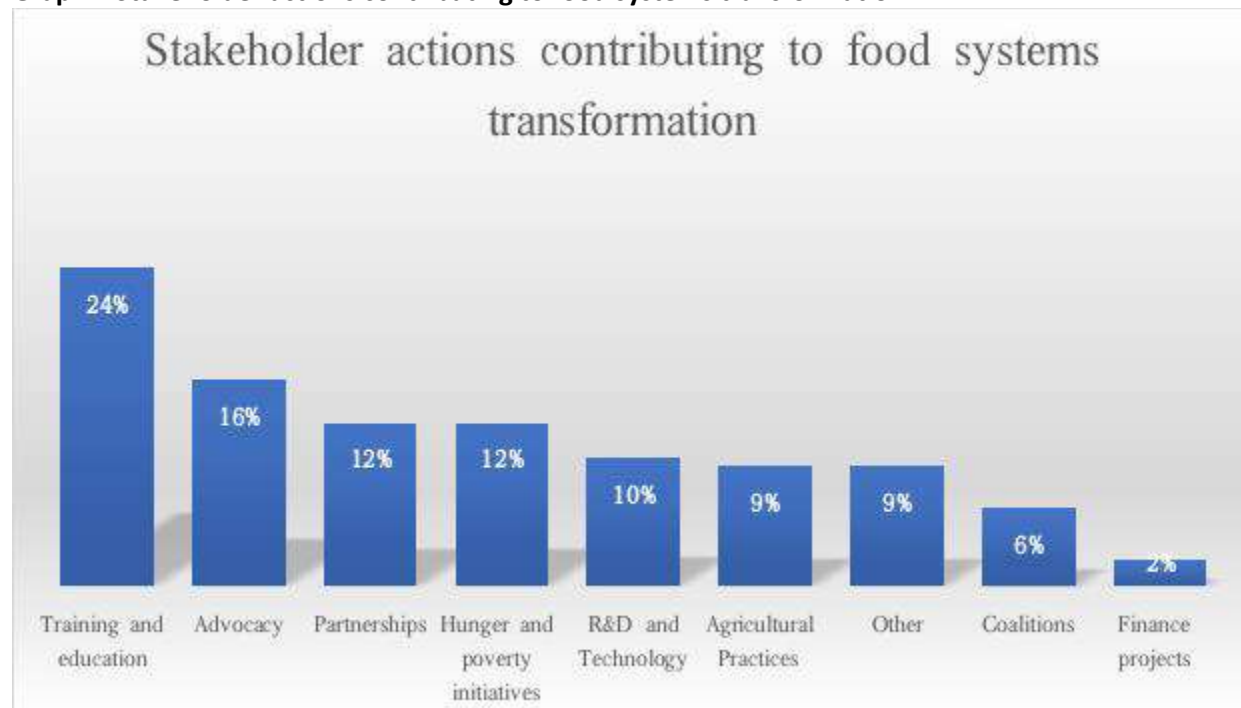
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<sup>5</sup> The Business Declaration covers 6 categories of business action as follows:

- **Scale science-based solutions** that focus on the transition towards sustainable food and agriculture business models that allow millions of farmers to adopt regenerative and climate-smart agricultural practices to achieve net-zero and nature positive food systems.
- **Provide investments in research and innovation** to support food systems transformation across the value chain from seeds, fertilizers, farming, processing, selling, trading, transporting, and consumption of food, ensuring all farmers have access to digital technologies and innovations.
- **Contribute to improved livelihoods and wellbeing** across food value chains by strengthening decent work and income opportunities in line with the SDGs and promote living income and wages for farmers and workers everywhere.
- **Incentivize consumers as agents of change** to create demand for sustainably produced, high-quality animal, plant-based, and alternative proteins, as part of healthy and nutritious diets that are accessible and affordable for all.
- **Create transparency** by integrating environmental and social risks and impacts in governance, through the principles of true value of food, or other relevant audited sustainability indicators and reporting in line with emerging ESG standards to provide greater clarity to capital markets.
- **Ensure an equitable transformation** for people everywhere with access to training and employment opportunities as practices and demands shift.

Graph 1 provides a quick overview of the main actions Stakeholders have taken to support the UNFSS follow-up process, as reflected in the survey responses.

**Graph 1 Stakeholder actions contributing to food systems transformation**



### III. Stakeholders' view on the Food Systems Summit follow-up

As part of the survey, stakeholders were asked their opinion on positive actions taken by countries, the UN System, and the Ecosystem of Support to meaningfully engage stakeholders in the FSS follow up. Additionally, they were asked about persisting challenges and areas in need of improvement in the FSS follow up by countries, the UN System, and the Ecosystem of Support.

#### Positive actions taken

There have been some cases of strong collaboration between the different stakeholder groups. For example, Farmers/Producers mentioned good collaboration with youth organizations in increasing youth involvement in farming, scaling up agribusiness agricultural enterprises and adopting agroecological sustainable agricultural practices and collaboration with academia and the UN System. The Business and Industry Stakeholders reported some examples of good collaboration with international and intergovernmental organizations including the UN System, global NGOs and farmer networks as well as research centres to promote good agricultural practices, develop climate resilient crops and support actions to improve nutrition of school children. Women groups reported examples of collaboration with multilateral organizations, the private sector and local authorities in the areas of training of women farmers in climate-smart agriculture and agribusiness practices, for example, and



awareness raising. Youth groups collaborated with the UN to enhance awareness and build capacities in relation to sustainable food system transformation. NGOs also reported cases of good collaboration with the UN, for example in the framework of the preparation of the FAO White Paper on Indigenous Food Systems or regarding their contributions to various UN conferences, like the UN Water Conference. From the survey responses, the Scientific and Technological Community appears to have enjoyed a great deal of collaboration and support among various actors, including national and local governments, the UN System, and the Ecosystem of Support. Such collaborations included awareness raising and capacity building activities, as well as assuming a key role in developing guidance for the implementation of national food systems pathways and setting up national multistakeholder consultation structures to help citizens, the civil society, the business sector and knowledge institutes to express their perspectives and interests regarding food systems transformation. Collaborating with small- and medium-sized enterprises was described as positive by stakeholders.

**Box 1. Examples of positive actions taken by stakeholders to engage with other stakeholder groups**

Nisshin Seifun Group, a private sector actor, based in Japan, noted strong collaboration with research institutions for the development of wheat with versatile cultivation characteristics and weather resistance. Tetra Pak, a global supplier of systems for the processing, packaging and distribution of foods worked with Kenya's National Council for Nomadic Education, an agency under the Ministry of Education, to provide a nutritious 'super porridge' to 5,000 school children in parts of Kenya where malnutrition rates are high. The MENA Youth Network partnered with the World Food Forum to run capacity-building and consultation sessions about agrifood systems transformations. The group drafted policy documents detailing the top policy priorities for the region according to youth and experts from that region. Meanwhile the Green Agriculture Youth Organisation in Zambia has collaborated with that country's Ministry of Community and Child Development to fight hunger in rural areas by providing seedlings. In Nigeria, the Women Environmental Programme (an NGO) partnered with the Benue State Agricultural Development Board for the training of farmers on climate-smart agriculture. The World Farmers' Organization collaborates with FAO to engage together through the follow-up mechanisms of the UN Food Systems Summit.

Collaborations have in several cases involved not just bilateral cooperation but multiple stakeholders:

- National trade Union of over 2.5 million poor self-employed women workers in the informal economy in India, "Self Employed Women's Association (SEWA)" has partnered with public and private sector organizations, academia as well as multi-lateral organizations to build the technical and technological capacity of over 200,000 agricultural workers including small and marginal farmers, sharecroppers, leased farmers and landless laborers, to strengthen their access to quality agro-inputs at affordable rates, digital finance as well as markets. SEWA has helped informal sector women workers organize into their own agri-business enterprise called RUDI - completely owned and managed by over 250 000 small and marginal farmers, as well as engage in a food processing initiative called "Kamala", thus generating decent and dignified livelihood opportunities for women in food systems as well as integrating them at all stages in the food systems and bringing them voice and visibility as well as validity to their work.
- The World Business Council on Sustainable Development collaborates with a number of partners (FAO, UNEP, the German Agency for International Cooperation, The International Rice Research Institute and the Sustainable Rice Platform) through the Sustainable Rice Landscapes Initiative, an innovative multistakeholder coalition aiming to accelerate the transition to sustainable rice.

- In preparation for the UN Food System Summit follow up, FoodFIRST brought stakeholders from the 'Dutch Diamond' (government, businesses, research institutions and civil society organizations) together to jointly develop their perspectives on how the global and the Dutch community of knowledge institutions, private sector actors, banks, civil society and government, can effectively contribute to food systems transformation.
- Narasingh Choudhury Autonomous College in Jajpur, India, for example, noted that as a stakeholder they received support from various International NGOs while also receiving status as an UN-accredited organization due to their technical expertise.
- The Pan-African Farmers Organization has reported good collaboration in the framework of the implementation of the *Farmers' Organizations for Africa, Caribbean and Pacific Programme* (FO4ACP) funded by the EU, the Organisation of African, Caribbean and Pacific States, and IFAD to strengthen the institutional and operational capacities of farmers' organizations in Africa, the Caribbean, and the Pacific countries.
- IntelliDigest, a purpose driven business organization, works with FAO, WFP, UNEP, IFAD and CGIAR to deliver quarterly webinars educating stakeholders across the food system on food systems sustainability. They also collaborate with the national bank to provide youth trainings.
- The Union of Hungarian Women (UHW) gave good examples of collaboration with several other actors at different levels, including their national government, the UN System as well as private business. The UHW is a member of several government committees, dealing with families, the elderly and the underprivileged. The organization also has strong cooperation with the FAO Regional Office for Europe and Central Asia, including for the celebration of World Food Day every year. They also work with Corteva Agrisciences on a training programme for rural women entrepreneurs.

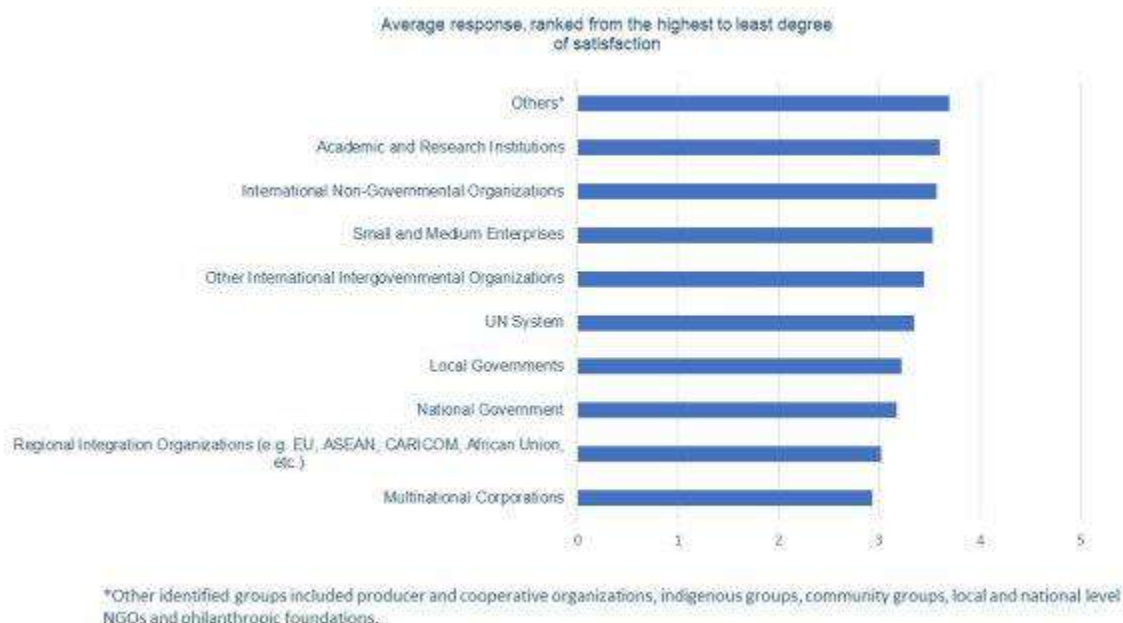
**(end of box 1)**

## Challenges

The chart below details the satisfaction levels of the stakeholder groups responding to the survey when considering whether their perspectives have been considered by other actors since the UNFSS in 2021. Generally, stakeholders expressed an average satisfaction level between 3 and 3.5 out of 5 regarding their interaction with different actors. While this may indicate good collaboration between stakeholders, more can be done. Independently of the overall average, stakeholders seem to be more satisfied with their interaction with producer and cooperative organizations, Indigenous Peoples groups, community groups, local, national-level and international NGOs and philanthropic foundations as well as academic and research institutions and less with multinational corporations and regional integration organizations.



**Graph 2. Stakeholders' satisfaction on a scale of 1 to 5 (with 5 indicating highest satisfaction), with the extent to which each of the listed actors considers the perspectives and views of the responding stakeholder organizations and involve them in their work related to food systems transformation.**



In general, resource allocation and management and coordination at both the national and local levels and with the UN remain persistent challenges. Stakeholder responses indicate evidence of a lack of coordination and leadership displayed by national governments. Some noted that there were still challenges in terms of identifying government contacts for food systems transformation. Women groups stressed that women farmers do not receive the same level of attention as their male counterparts not only in terms of policy and acts but also in accessing the commercial market. Other respondents underlined the need for more engagement with the UN system in terms of policy guidance, research, and technical assistance needs. Infrastructure deficits also play a role as a constraint to progress. The lack of strong food value chain infrastructure in rural areas represents barriers that hinder the contribution of farmers, especially smallholders, to sustainable food systems.

In particular, although there have been instances of successful collaboration between national governments and various stakeholders, these tend to be isolated cases and stakeholders believe that engagement with national actors has been limited and governance at that level is inadequate. Challenges identified include changes in government priorities and political will, the absence of a clear communication plan to involve farmer groups, especially women producers, the lack of funding and recognition for grassroots organizations, the absence of participatory approaches in designing National Pathways and national policies, general lack of resources devoted to Indigenous Peoples as relates to food systems issues and difficulties in identifying government contacts for food systems transformation. Excessive bureaucracy was also mentioned as a weakness that impedes collaboration. Moreover, regulatory frameworks that impede local food and organic farm input production were cited as

challenges. Some Stakeholders observed that food systems are not adequately represented in National Determined Contributions (NDCs). Finally, it was noted that national government and the parliament have strong hesitation to adapt scientific recommendations especially when it comes to the “urgency to act.”

While the lack of good governance was also mentioned at the local government level, stakeholders indicated that their relationships with local governments while still mixed, have gradually improved. Nevertheless, local governments sometimes lack decision-making power and sufficient funding for supporting implementation efforts. Smaller producers and their associations note the difficulties in obtaining financial support on both the national and local levels. The feeling among these organizations is that the size of their farming operations works to their disadvantage in terms of resource allocation. One respondent put it bluntly: *“They don’t recognize us because we are startups and backyard farmers.”* A general need is emerging in terms of generating sector-specific knowledge, developing appropriate standardized metrics and reporting practices, and coordinating across the food system value chain to tackle the lack of investments in the agri-food sector.

Women stakeholders were more forthright in their criticism. One group noted that especially at the local level, decisions to support women farmers are still very much impacted by issues of “machismo” which to a great extent influence gender roles and consequently women's capabilities to exercise their rights, in particular to access education, training and employment. They noted that regardless of any statements to the contrary, at the national level there needs to be an overall recognition that women and men are equal within the agricultural sector and therefore women are entitled to the same rights.

Some NGOs noted that collaboration between NGOs and research institutions/academics can be limited due to differences in priorities, resources, and organizational cultures. This makes it difficult for some organizations to access the knowledge and expertise of research institutions and to effectively apply research findings in NGO work.

Challenges to engaging multinational corporations included a perceived unwillingness to collaborate with non-profit groups and local enterprises, along with an associated lack of interest in addressing the concerns of Indigenous Peoples.

Some stakeholders pointed out that international non-governmental organizations typically undertake project-based and time-bound activities in countries, which does not align with the long-term programming needs of communities and grassroots organizations.

At the UN System level, several stakeholders expressed that information, especially with regard to collaboration, is not easily accessible. There were also concerns that UN agencies did not sufficiently highlight Indigenous Peoples' issues<sup>6</sup>. Contradictory messaging was also noted by stakeholders: they asserted that some UN agencies promote sustainable food systems while others appeared to endorse unsustainable practices. Business and Industry stakeholders also noted that it is often unclear how the private sector can engage with and contribute to the FSS follow up. Overall, engaging with the UN System appeared to be a challenge for all Stakeholders.

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<sup>6</sup> It is important to note that there were no survey responses from Indigenous Peoples' Stakeholders from the Arctic Region. Nevertheless, Stakeholders acknowledge that this important food system that relies on hunting, fishing and ad harvesting deserves better understanding and attention as a critical food system.



**Advanced, unedited version**

Bureaucracy, lack of coordination and information about ways of possible collaboration were also thought to be issues when it came to regional integration organizations as well.

### Persistent challenges identified by stakeholders for engaging with other actors<sup>7/8</sup>



#### IV. Linking food systems transformation to global agendas

While all of the stakeholders believed that food systems transformation should be linked to global agendas, they had different views on the extent to which such linkages should occur. Many argued that effective linkages should occur if agendas are streamlined.

There was a general belief that the UNFSS+2 can provide an opportunity to assess progress towards achieving the SDGs related to food security, climate action, and sustainable development and that linking the UNFSS+2 to other global initiatives can enhance synergies, amplify impact, and promote collective action towards common goals. It can help identify gaps, challenges, and opportunities for

<sup>7</sup> National government, local governments, UN System, regional integration organizations, other international intergovernmental organizations, international non-governmental organizations, multinational corporations, small and medium-size enterprises, academic and research institutions.

<sup>8</sup> Merged responses, size representing relative occurrence of the challenges. Colors refer to specific actors with which the challenge is associated. The full survey question was: 'Based on your experience, which are the persisting challenges for your organization to effectively engage with the following actors (National Government, Local governments, UN System, Regional Integration organizations, Other international intergovernmental organizations, International Non-Governmental organizations, Multinational Corporations, Small and Medium Enterprises, Academic and Research Institutions). Please provide a short description of the challenges for each actor you have worked with, or you wish to work with.'

integrating food systems transformation into the broader sustainable development agenda. The feeling was that there were synergies with the SDG Summit and that UNFSS+2 can inform and contribute to the discussions and outcomes of the SDGs. By highlighting the interconnections between food systems and other development goals, such as poverty eradication, gender equality, and environmental sustainability, UNFSS+2 can help shape strategies and commitments for the SDG implementation and review process.

Stakeholders also believed that there should be strong collaboration with the 2024 Summit of the Future so as to address future challenges and shape transformative pathways. The UNFSS+2 is well-positioned to provide insights into what has worked, what hasn't, and what needs to be done to achieve sustainable development. Doing so should facilitate discussions on the long-term implications of food system transformation and the integration of sustainable and inclusive practices into future development strategies.

Integration with Conference of the Parties (COP) and other global climate processes was also considered to be critical given the close relationship between food systems and climate change. The UNFSS+2 can assess the impact of food production, land use, and agricultural practices on greenhouse gas emissions and climate resilience. The Stocktaking Momentum's findings can inform climate-related discussions, policies, and commitments, emphasizing the crucial role of food systems in climate action. Therefore, by highlighting the role of food systems in climate mitigation and adaptation, the UNFSS+2 can contribute to discussions on reducing greenhouse gas emissions, building resilience, and promoting sustainable land use practices.

Linkages with other global agendas was seen to be valuable as well. By aligning with other global processes, including trade and development, nutrition, biodiversity conventions, regional summits and regional food systems fora, human rights frameworks, and peacebuilding initiatives, the UNFSS+2 can foster collaboration, knowledge exchange, and collective action towards sustainable food systems.

Others felt that global agendas need to be effectively linked in different ways. They noted that food systems transformation cross-pollinates the SDGs and is intertwined with climate change and biodiversity. *"Therefore, we would encourage to make food systems an integral part of these conferences and include key outcomes of the UNFSS+2 into the follow-up events"*. The discussions and outcomes should also be actionable by the other UN discussions. It was stressed that *global discussions should build on each other* and ensure that there is a systems approach to finding solutions.

At the same time, there was a sense among some stakeholders that there were "too many" summits. Stakeholders underlined the need for a "more holistic approach" to the 2030 Agenda and the achievement of the SDGs. Their critique of the current global agenda was that while there was a great deal of emphasis on integration and coordination, a more consistent effort was required to monitor and report the progress of governments and other stakeholders in strengthening the food system and achieving the SDGs.

The creation of a Conference of Parties (COP) for Indigenous Food Systems to address climate change, biodiversity loss, forced migration, and other pressing issues was also recommended.

Others felt that the ecosystem of global agendas should be expanded to encompass the activities of other international bodies, particularly the World Trade Organization.



Respondents generally did not articulate how various global agendas should be linked to the food systems transformation agenda at the country level.

## **V. Recommendations and way forward**

Respondents were asked what priority actions they planned to take during the next two years to support the implementation of food systems transformation in their country. They were also asked for recommendations on what should be done after the UNFSS+2 in order to ensure stakeholder participation and contribution to FSS follow up actions in support of and aligned with countries' food systems transformations and related global and regional initiatives.

### **Priority actions planned by Stakeholders**

Stakeholders shared a wide range of priority activities they plan to undertake in the next two years to support food systems transformation in their respective countries.

Indigenous Peoples, Women, and Youth expressed their commitment to promoting sustainable agricultural production, biodiversity preservation, home food production, and circular agriculture. They also aim to mobilize members into cooperatives to facilitate access to public schemes, state land, and water resources. Additionally, their focus includes strengthening the organization of food system workers, especially women, and both formal and informal, promoting the consumption of forgotten foods, and supporting food system actors in climate action and resilience-building. These stakeholders believe they can take action in order to more effectively engage with the other actors and their proposals in this regard were powerful. They felt there was a need for trust building so they could prove their capacity and capability to support sustainable food system transformation. *"We will prove to them our capacity and capability from which they too will benefit,"* one respondent wrote. Women groups are committed to work towards integrating women workers at all stages in food systems.

For youth, policy advocacy and capacity development are high priorities. They advocate for national-level educational programmes such as agroecology initiatives. Youth also considered important to share the challenges and barriers faced by youth while proposing practical solutions to those challenges and to scale up the number of youth ambassadors across the world working to increase awareness around food systems challenges and solutions.

Farmers/Producers plan to focus on strengthening partnerships with other actors, implementing advocacy programmes to raise awareness among policymakers about the challenges faced by family farmers, supporting grassroots initiatives, and promoting regenerative agriculture. Some producer groups plan to collaborate with higher education institutions to host students as interns on their and other local farms.

Businesses and industries expressed their commitment to drive innovation, strengthen technology adoption to reduce environmental impact of food production, increase youth involvement, gender inclusion, enhance capacities, and provide support for marginalized populations through grants. Some organizations plan to join global and regional initiatives that promote sustainable soil management practices, circular and bioeconomy solutions. They also intend to conduct environmental impact assessments of their own operations and develop ethical standards and compliance manuals for

sustainable food production, ensuring accountability throughout the value chain. Communities of private sector organizations have also offered to function as a channel to create the linkages between private sector and the other actors, especially the UNFSS coalitions and National Convenors.

The aims of the Scientific and Technological community included engaging with other stakeholders to work on joint solutions and push for stakeholder negotiation processes. They wish to focus on innovations in food safety and food security and resilient and transformative food systems, the role of smallholder farmers, training youth and providing a platform to link policy and development actors and organizing dialogue sessions/linkage events.

Participation in international, regional and national fora, the importance of communication including sharing work experience, success stories and local initiatives were considered as important measures by all Stakeholders. Respondents believed that strengthening peoples' organization and mobilizing local communities and the implementation of concrete action plans for implementing food systems transformation were critical. All Stakeholders were keen to participate in training activities and research collaborations.

### Recommendations for other actors and Stakeholders

The UN and regional integration organizations are encouraged to establish direct channels of communication and provide funding for policy implementation and projects, including capacity development, particularly for women's organizations. Stakeholders felt that the UN System should also give more visibility to informal sector women workers and that the voices of informal sector women workers engaged in the food systems be integrated into the discussions during the UNFSS+2.

Encouraging scientific research and ensuring it is translated into practical solutions is crucial, as well as including Indigenous Peoples' issues and farmer-driven approaches in research efforts. Enhanced collaboration between businesses and academia for staff training is also sought. Improving investments in innovation and rethinking climate finance towards food and agriculture systems is also a priority to consider, to generate positive impacts and financial returns.

Governments are urged to create mechanisms for increased engagement with NGOs, particularly Indigenous Peoples' groups, and to support graduate programmes focused on food systems. It is recommended that governments develop participatory action plans involving all stakeholders. Allocating a percentage of the national budget to agricultural development and supporting local food production and the use of locally produced organic inputs are also suggested for national governments. Ministries of agriculture should engage farmers' organizations in designing and implementing agricultural policies and take a proactive role in engaging with business and industry actors. Making agriculture attractive to youth to prevent outmigration, ensuring access to affordable and nutritious food to reduce malnutrition, child mortality, and gender-based violence within households were also highlighted as important goals. At the national level there should be an overall recognition that women and men are equal within the agricultural sector and therefore women are entitled to the same rights.

Ensuring farmers/producers' access to climate finance, co-ownership of climate initiatives, and supporting small and medium-sized enterprises in developing business plans to facilitate access to finance have also been seen as essential steps. This requires leveraging multi-stakeholder collaborations and developing new models of Public-Private-Philanthropic Partnerships with a farmer-centric approach.



Businesses and Industry respondents suggested that an inclusive approach by the UN System should also involve the private sector as a partner and solution provider to promote sustainability in food systems. They also emphasized the need for clear guidance from the UNFSS Coalitions on how the private sector could be engaged in these coalitions, clearly presenting benefits, opportunities, and requirements to be partner.

Stakeholders unanimously agree on the need to involve and engage more youth in food systems transformation, particularly in developing and implementing adaptation plans that directly impact their lives. This requires providing funding support to youth-led organizations, creating favorable policy environments, and increasing learning opportunities for the youth.

### The way forward

The challenge will be to ensure that addressing such issues detailed above is included in the design of multisectoral responses through the establishment of specific funding mechanisms, particularly emphasizing questions of gender equality and inter- and intra-generational equity as well as strengthening territorial balance (ex: infrastructure) at the sub-national level to support/promote economic and physical access to food for the most vulnerable populations. The same could be said as regards to inclusion of youth and women and Indigenous Peoples in food systems transformation. This is a persistent issue that requires greater understanding and concrete action.

What is clear from the survey is that all stakeholders have made value added contributions to the implementation of food systems transformation. The sheer diversity of the various stakeholders with a plethora of inputs as well as divergent interests implies a fragmented vision of the food system. It is important at the outset to remember that such divergencies are natural and discussions among stakeholders as to the various ways forward will in all likelihood, imply tradeoffs and reconciliation. Part of the way forward could be to identify the ways in which other umbrella organizations (e.g. The Sun Movement) have acted to manage such divergencies and apply recognized best practices to conciliate divergencies and support multi sectoral collaboration and policy dialogue. There is no magic solution to identify and agree upon optimal tradeoffs. Instead, it should be a process of discovery and trust building in which recognition of the interdependency between and among stakeholders is itself a significant outcome.

Based on the examples provided, national responses are beginning to replicate the UN Food Systems Coordination Hub's SENA group vision – incorporating stakeholders' groups as part of their response. In this regard, good planning and best practices need to be highlighted and incorporated. Stakeholders will ultimately have to ensure that the policies they pursue can be adapted to different national environments.

With regard to the need for better coordination at the country level, the question of more detailed multisectoral and multi-stakeholder plans for food systems at the country level is a question in need of discussion.<sup>9</sup>

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<sup>9</sup> The ecosystem approach model of the Food Innovation Hubs initiative could be leveraged here as a case study - as they are developed as partnership platforms that connect across various ecosystem actors to foster partnerships and networks that unlock investments, stimulate innovation and collectively work to take down barriers. The Hubs are globally supported but designed at country/regional level to address the needs of the local food systems.

It seems that in order to support the National Pathways for sustainable food systems transformation, there is a need to develop a multi-stakeholder, multi-sectoral architecture. Such an architecture, for example, would not only acknowledge the need for greater resource allocation but also provide a process for addressing such needs.

Based on the survey responses, such an architecture should entail and accomplish the following 3 main aspects.

- 1. Better “food systems transformation governance” at country level** - Stakeholder responses indicate evidence of a lack of coordination and leadership displayed at the national level. Taken together the responses in the survey indicate a fragmented vision of food systems. There is a lack of knowledge of food systems focal points; changes in governments mean changes in priorities; there are no specific funding mechanisms for food systems transformation either at the national, regional or local level to empower transformation. A food systems platform<sup>10</sup> to support multi-actor dialogue would prevent a situation in which each stakeholder is struggling on its own. Such a platform would also showcase visible ownership and leadership of food systems transformation at the national level. A stronger convening role would also promote accountability frameworks.

Strengthened food systems transformation governance should take place within the framework of a clear multisectoral/multi-actor plan. Such a plan is distinct from or complement the National Pathways in that it would provide more specific guidance as to exactly what will be done, when and who will do it. Strategic objectives, for example, of social inclusion and equity could be translated into concrete objectives through such a mechanism.

- 2. Recognize equity as a cross-cutting key dimension of food systems transformation** - Stakeholders indicated the need for youth sensitization as well as the necessity to conduct gender and youth advocacy to support youth and women and girls’ inclusion in policy dialogue. Women stakeholders mentioned land use and land access as an issue and the need for strong advocacy around women’s access to means of production. The persistence of macho mentality evidence a need to explore and address discriminatory gender norms and the way they are being mirrored at the policy level. Youth and gender equality should be recognized as a crucial cross-cutting dimension. Inter-generational and intra-generational equity should be clearly articulated through the definition and implementation of specific measures. Youth, Women and Indigenous Peoples seems to be facing the same type of challenges – that speaks to the need to recognize that Youth as a cross-cutting social dimension needs to be supported by a less fragmented vision of those three stakeholders’ groups.
- 3. Articulate linkages with other global agendas, not only at the global level, but at the country level**- Although stakeholders views on the linkages to other global agendas are mainly focused on global agendas such as COP, SDG Summit and others, there is also a need to articulate the food systems transformation agenda with other global agendas at the country level.

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<sup>10</sup> This could build on, scale up and replicate existing national level multistakeholder platforms, such as those developed through Food and Land Use Coalition and the Food Action Alliance.



## **Main expectations from the UNFSS+2**

The way forward will be to a great extent also influenced by the outcomes of the UNFSS+2. In this regard, the UNFSS+2 is expected to serve as a forum for countries to share knowledge, good practices, scalable solutions and expertise with the ultimate objective to ensure everyone has access to healthy and affordable food. Additionally, the UNFSS+2 should provide a comprehensive assessment of the current state of global food systems, taking into account diverse perspectives, challenges, and opportunities of the different food systems actors.

The UNFSS+2 is seen as an opportunity to celebrate progress made in sustainable food system transformation, identify areas where further work is needed and strengthen the understanding and the evidence-base around how food systems can be a solution for some of the world's most pressing issues, such as hunger, malnutrition, poverty, climate change, biodiversity loss and inequality.

Respondents considered important for the UNFSS+2 to help finding ways to phase out unsustainable food systems practices, avoid food waste, in particular postharvest loss, ensure grassroot organizations' voices are heard, and that the role of all stakeholders, including women farmers, women informal workers, Youth, Indigenous Peoples, Farmers/Producers, the Private Sector, including micro, small and medium-sized enterprises, NGOs and the Scientific and Technological Community in sustainable food systems transformation is highlighted.

Stakeholders wish to see an inclusive, balanced and action-oriented discussion that considers the inputs and needs of diverse stakeholders across all aspects of food systems. The discussion should help understand how to sustainably increase food production, including use of sustainable agricultural practices such as for example agroecology, regenerative agriculture, and call attention to the role of youth as backbones of food systems transformation as well as to issues of women and Indigenous Peoples, including the need to ensure their food security and improve their living conditions.

Stakeholders also expect that the UNFSS+2 will share good examples of partnerships and at the same time foster networking and help build alliances, promote collaboration across organizations and geographies while emphasizing the importance of national dialogues in implementing actions that can strengthen food systems at country level.

Stakeholders hoped that the UNFSS+2 will be successful in mobilizing resources for the implementation of the SDGs as they relate to food system transformation and that the UNFSS+2 would result in workable recommendations that will facilitate the implementation of enabling policies and thus pave the way for the development of concrete work plans for food systems transformation at international, regional, local and community levels.

Stakeholders representing Farmers/Producers acknowledged their central role on the frontlines of food systems. They hoped that farmers/producers of different size and their issues and solutions will be highly visible at the UNFSS+2. They looked forward to improved engagement and consultation and their direct involvement in food systems transformation.

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Other expectations included:

- highlight the role that international trade can play in promoting improved nutrition and sustainable food systems;
- ensure that concepts and indicators of sustainability are expressed and treated in a way that is easily understood by those involved in agriculture and the food sector and the general public;
- advance of the Coalitions, building on what has been done thus far and identifying future action;
- help understand how the private sector can be engaged in UNFSS follow up, e.g. through collaboration with the UNFSS Coalitions.



## **Annexes**

### **Annex 1. Survey questions**

1. Permission to use the information in this form. Please choose one of the following:
  - a. The Hub can use the information provided in this survey for the drafting of information documents to be compiled for the UN Food Systems Stocktaking Moment including references to the name of the submitting organization.
  - b. The Hub can use the information provided in this form for the drafting of information documents to be compiled for the UN Food Systems Stocktaking Moment but without references to the name of the submitting organization.
2. Contact details of the person responsible for filling in the questionnaire:
  - a. First name
  - b. Last name
  - c. Gender
  - d. Title
  - e. Organization
  - f. Email
3. Country/region where your Organization is based in (for international organizations please write “global”).
4. Major Group or Stakeholder represented (as per UNDESA categories):
  - a. Business and industry
  - b. Children and youth
  - c. Farmers/producers
  - d. Indigenous peoples
  - e. Local authorities
  - f. Non-governmental organizations
  - g. Scientific and technological community
  - h. Women
  - i. Workers and trade unions
5. Please provide a short narrative on the concrete steps your organization has taken to support the implementation of National Food System Transformation Pathways and/or other actions related to the UN Food System Summit follow up.
6. On a scale of 1 to 5 (with 5 indicating highest satisfaction), how satisfied are you with the extent to which each of the following actors consider the perspectives and views of your organization and involves you in their work related to food systems transformation? If you don't have any experience working with any of these actors, please proceed to question 8.
  - a. National Government
  - b. Local governments
  - c. UN System
  - d. Other international intergovernmental organizations

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- e. Regional integration organizations (e.g. EU, ASEAN, CARICOM, African Union, etc.)
  - f. International Non-Governmental Organizations
  - g. Multinational corporations
  - h. Small and Medium Enterprises
  - i. Academic and research institutions
  - j. Other actor (please define below)
7. If you have worked with any of these actors, please give an example of positive actions they took that included cooperation with your organization.
8. Based on your experience, which are the persisting challenges for your organization to effectively engage with the following actors. Please provide a short description of the challenges for each actor you have worked with, or you wish to work with.
- a. National Government
  - b. Local governments
  - c. UN System
  - d. Other international intergovernmental organizations
  - e. Regional integration organizations (e.g. EU, ASEAN, CARICOM, African Union, etc.)
  - f. International Non-Governmental Organizations
  - g. Multinational corporations
  - h. Small and Medium Enterprises
  - i. Academic and research institutions
  - j. Other actor (please define below)
9. Considering the challenges outlined in the previous question:
- a. How would you suggest these actors engage more effectively with your organization?
  - b. From your side, what actions could your organization take to engage with these actors more effectively?
10. During the next two years, what are the priority activities your organization intends to undertake to support food system transformation in your country?
11. In what ways can the Stocktaking Moment be effectively linked to other global initiatives, such as the SDG Summit, the 2024 Summit of the Future, the COP and other global processes?
12. What are your main expectations from the Stocktaking Moment?
13. Are there any other ideas that you would like to share?



## Annex 2. List of survey respondents

The SENA Group and the UN Food Systems Coordination Hub would like to thank the following individuals that provided response to the open survey and should be considered as the “shadow authors” of this report:

Full Name	Organization	Country
Abdelkerim Abbas Mahamat	International Helping for Young	Chad
Abduljeleel Bello	Primneeds	Nigeria
Abul Kashem Sheikh	Kathak Academy	Bangladesh
Ahotondji Mechak Gbaguidi	Laboratoire de Sciences et Technologies Alimentaires	Benin
Aisha Ahmed	Murna Foundation	Nigeria
Alan Pater	El Buda Profano	Global
Amal Laqtib	The Anchor's Organisation for the United Nations Development Programme	Morocco
Anicet Lossa Londjiringa	Association pour la Conservation et la Protection des Écosystèmes des Lacs et l'Agriculture Durable	DRC
Anouk De Vries	Global Alliance for Improved Nutrition (GAIN)	Global
Ashie Charles	Christ Soldiers Foundation	Ghana
Ayaz Mukarram Shaikh	University of Debrecen	Hungary
Azeez Salawu	Community Action for Food Security Initiative (CAFS Africa)	Nigeria
Baba Boubacar Keïta	Communauté de Pratiques en Matière de Lutte Contre la Corruption	Mali
Babafemi Oyewole	Panafrican Farmers Organisation	Rwanda
Baliqees Salaudeen	Green Republic Farms Limited	Nigeria
Belina Manapo Makhele	Willow Tree Farm Center	Lesotho
Benjamin Appiah-Kuni	International Volunteer Organization for Women Education Development	Ghana
Betty Elisa Perez Valiente	CCNIS	El Salvador
Bibi Ally	Emerging Ag Inc	Global
Bolaji Ogundeji	Bolcris International	Global
Briphin Ampurire	Finn Church Aid	Global
Carlos Domke Vargas	MLR Forestal de Nicaragua SA	Central America
Carole Küng	Sdsn Switzerland	Switzerland
Caroline Emond	International Dairy Federation	Global

Chukwudi Egwuagu	Neduchuks Multi - Business Concept	Global
Claude Elembo Esanga	National Commission for Unesco	DRC
Claudio Daniel Schwartz	Primmar-Programa para una Red Integral Modular Mundial de Asentamientos Rurales	Argentina
Danyelle Kawamura	Institute for Climate and Peace	Asia - Pacific Region
Doctor Kislaya Upadhyay	Svyam Bane Gopal	India
Dore Castillo Garcia	Salud Crítica	Mexico
E.M.B. Daniel	Lanka Fundamental Rights Organization	Sri Lanka
Frank Wesonga Omukuyia	African Alliance for Health Research Economic Development	Kenya
Edda Giuberti	Tripla Difesa Onlus Guardie Sicurezza Sociale ed Eco Zoofila	Global
Emem Umoh	Women in Nature Conservation Organization (WINCO)	Nigeria
Espérance Ntirampeba	SFBSP-Burundi	Burundi
Ezaie Muhindo Mbumba	Organisation Paysanne pour le Développement Durable	DRC
Francis Keya	AAHRED	Kenya
Francisco J. Rosado-May	Glocal Bej A.C./Universidad Intercultural Maya de Quintana Roo	Latin America
Frank Ademba	We Effect	Tanzania
Gayathri Ilango	The Circular Farm LLC	Global
Gervais Nzoa	Centre d'Accompagnement des Alternatives Locales de Développement	Cameroon
Giulia De Castro	World Farmers' Organisation	Italy
Grace Scent	Niger Delta University Bayelsa State	Nigeria
Hanna North	CIFOR-ICRAF	Global
Hironobu Ode	Seiwa-Ltd	Japan
Ichivirbee Ukange	Women Environmental Programme	Nigeria
Ifeyinwa Kanu	Intellidigest Ltd	Global
Isela Marianela Gutiérrez Bustamante	Redmurlam	Peru
Jackson Zee	Vier Pforten International	Global
Jacqueline Musugani	Initiatives des Femmes en Situations Difficiles pour le Développement Durable et Intégré (IFESIDDI)	DRC



Jagat Deuja	Community Self Reliance Centre (CSRC)	Nepal
James Ndiritu	Success in Agriculture	Kenya
Janice Giddens	Us Dairy Export Council	Global
Jennifer Ndzana Eloundou	World Food Forum	Italy
John Aggrey	Hired Consult	Ghana
Joy Ejaria	Ejaria Global Resources Limited and Divine Rest Outreach International	Nigeria
Joyce Kyerewaa Ahenkorah	University for Development Studies	Ghana
Juliet Chinemelu	Wido	Nigeria
Kathelijne Van Hoeven	Foodfirst	Netherlands
Katie Carson	Tetra Pak	Global
Kayanga Peter	Disability Peoples Forum Uganda	Uganda
Kenneth Okoh	Queens World Network	Nigeria
Kouchirou Shin	J-Milk (Japan Dairy Association)	Japan
Krishan Bheenick	Regeneration Mauritius	Mauritius
Leen Assire	Mena Youth Network	MENA
Léon C'Est La Vie Peke Koukou	ONG Nationale Groupement Agro-Pastoral pour le Développement de Yongoro	Central African Republic
Liliana Virginia Llontop Silva	Red de Mujeres Rurales Poncoy	Peru
Ma. Johara Justimbaste	Pagtinabangay Foundation	Philippines
Mamun Rashid	Badabon Sangho	Bangladesh
Mandira Guha Neogi	Global Alliance for Improved Nutrition (GAIN)	Switzerland
Mange Ram Adhana	Association for Promotion Sustainable Development	India
Margit Batthyany-Schmidt	Union of Hungarian Women Association (UHW)	Hungary
Margot Clifford Laguette	International Fertilizer Association	Global
Mariet Verhoef-Cohen	Women For Water Partnership	Global
Martina Fleckenstein	WWF	Global
Martins Paul Iwuanyanwu	Leadership Watch	Nigeria
Michael Ahimbisibwe	Real Food Systems Int	Uganda
Michael Anguria	Saf-Teso	Uganda
Michael Ogunbiyi	Sm Sunrise Global Visions (SSGV)	Nigeria
Mimansha Joshi	Transforming Urban Rural Food Systems Consortium	Global
Minal Bhatia	The Lonavla Local	India

**Advanced, unedited version**

Mohammed Abubakar	World Public Health Nutrition Association	Nigeria
Motselisi Mokhele	Africa Women Farmers Allies	Lesotho
Muhammad Imran Shazad	Galaxy Rice	Pakistan
Nelly-Françoise Comte	Cerpac	Congo
Nicht Rukundo	Nestar Supplies Ltd	Uganda
Norman Mapela	Isiziba Community based Organizations of South Africa	South Africa
Peter Bette	Biakwan Light Green Initiative	Nigeria
Phionah Nalumansi	Kiyita Foundation	Uganda
Pradeep Mehta	Central Himalayan Institute for Nature & Applied Research (CHINAR)	India
Prince Goodluck Obi	Global Alert for Defence of Youth and the Less Privileged (GADYLP)	Nigeria
Rafiu Olaore	Youths Enterprise Development & Innovation Society (YEDIS)	Nigeria
Rasim Abderrahim	Sustainabilitycorp	MENA
Ravi Kumar	Human for International Democratic Union (HINDU)	India
Reema Nanavaty	Self Employed Women's Association (SEWA)	India
Robert Kibaya	Kikandwa Rural Communities Development Organization	Uganda
Robinson Runyenje	KCRC LTD	Kenya
Ruby Kryticous	Green Agriculture Youth Organisation	Zambia
Sadik El-Hattab	Almarssad Euro-Africain des Droits de l'Homme	Morocco
Sarada Prasad Mohapatra	Narasingh Choudhury Autonomous College	India
Severin Sindizera	Association pour L'Integration et le Developpement Durable au Burundi, AIDB	Burundi
Shah I. Mobin Jinnah	Community Development Association	Bangladesh
Sharon Wallenberg	Vegan International	United States
Sixto Palacios	Agroasesorias de Colombia	Colombia
Summer Wright	Orataiao: NZ Climate & Health Council	New Zealand
Suzanne Van Tilburg	Rabobank	Netherlands
Syed Ejaz Hussain Shah	NGOs Computer Literacy Shelter Welfare Rawalpindi Cantt Pakistan	Pakistan
Takanori Morinaka	Nisshin Seifun Group Inc.	Global



**Advanced, unedited version**

Taniguchi Yoshiaki	Yosano Town, Kyoto Prefecture, Japan	Japan
Turki Al Rasheed	University of Arizona	Saudi Arabia
Valentina Pescetti	A.N.I.T.A. Garibaldi Aps	Italy
Victor Garpulee	Euphrates Liberia Peace Practice Network	Liberia
Victoria Crawford	World Business Council for Sustainable Development	Global
William Lanier	Neveridle Farms and Consulting (Ghana)	Ghana
Yasuo Takeuchi	Meiji Holdings Co., Ltd.	Japan

**Annex 3 List of people who supported the preparation of the report**

**Independent Author**

Gregory Beals

**Peer review and editorial group**

Full Name	Organization	SENA Group
Aluki Kotierk	Nunavut Tunngavik	Indigenous Peoples
Elizabeth Mwende	Agricultural Engineer	Youth
Lucy Muchoky	Pan African Agribusiness Consortium	Women
Francesco Brusaporto	World Farmers' Organisation	Farmers/Producers
Maria Giulia De Castro	World Farmers' Organisation	Farmers/Producers
Emeline Fellus	World Business Council for Sustainable Development	Private Sector
Victoria Crawford	World Business Council for Sustainable Development	Private Sector
Tania Strauss	World Economic Forum	Private Sector
Federico Ronca	World Economic Forum	Private Sector

**Technical support from the UN Food Systems Coordination Hub:**

Hajnalka Petrics, Sophie Akwa Cowppli-Bony Kwassy, Alison Graham, Roberto Villa, Abigail Smith, Kennedy Baruta, Kunthara Poonjaruwat.



Dr. S.K. Gupta

M.Sc., Ph.D., F.A.P.S.

Founder and Secretary- Academy of Plant Sciences India

Head : P.G. and Research Department of Botany

D.A.V. College Muzaffarnagar (1986-2002)

Principal : D.A.V. PG College Muzaffarnagar (2000-2001)

Editor-in-Chief : Advances in Plant Sciences



Mob. 8941919500

9756728551

108, Pacific Hieght, Near PAC

Roorkee Road

MEERUT-250001 (UP) India

Dated 1st/10/19

Dr. S.P. Mohapatra

Head, Bot. Dept.

N.E. College, Bhubaneswar Odisha

Dear Sir,

Heartiest Congratulations !

I am pleased to inform you that the executive council of Academy of Plant Sciences India has decided to honour you by **APSI Award**, in recognition of your commendable research activities.

As you are aware that APSI is organising conference at **Smt. N.M. Padalia Pharmacy College, Ahmedabad, Gujarat from 23 to 25 November 2019**, so at this occasion you will be honoured by Award in the inaugural function of conference on 23<sup>rd</sup> November, 2019. Hence you are requested to **reach Ahmedabad on 23<sup>rd</sup> November, 2019** or before 9.00 A.M. You are requested to be present in person to receive this prestigious award which will be conferred by the Chief Guest of the Conference.

You are also requested for a popular talk or key note address as well as for chairing the session. As we are not receiving any financial help from any government or private agency, hence we will not be able to pay your travel expenses. So please manage your travelling expenses from your own organization.

Kindly confirm about your participation and inform us about your arrival programme at Ahmedabad, **before 20<sup>th</sup> October 2019**.

Looking towards your quick response and kind co-operation.

With warm regards,

Your's Sincerely

(Dr. S.K. Gupta)  
Secretary, APSI

Ex. Convenor : RDC and BOS (Botany) of C.C.S. University Meerut.  
Ex. Member : Academic Council of C.C.S. University Meerut.



# ACADEMY OF PLANT SCIENCES INDIA



Dr. S.P. Mohapatra



*The Executive Council of APSI*

## HONOURS

*Dr. Sarada Prasad Mohapatra*

Head Department of Botany, Narasingh Chaudhary  
Autonomous College, Jajpur, Odisha

*and elects him as a*

***Fellow of Academy of Plant Sciences India (FAPS)***

*considering his sincere efforts in the promotion*

*of Research work in Various Fields of*

*Botany Specially in Environmental Sciences and Ethnobotany*

*May God Bless Him !*

Secretary General

*Signature*  
APSI

Dated : 21<sup>st</sup> November, 2021

Place : Dr. Shyama Prasad Mukherjee University,  
Ranchi, Jharkhand

*Sanctioned by Executive Council of Academy of Plant Sciences, India*

**Secretariate :** 108, Pacific Height, Near PAC, Roorkee Road, MEERUT - 250001 (U.P.) India  
**Secretary :** Dr. S.K. Gupta, Retd. Principal and Head of Botany Department,  
D.A.V. College, Muzaffarnagar-251001 Phone : 9756728551, 8941919500

30<sup>TH</sup>

**APSI Scientists Meet 2021, DSPMU, Morabadi, Ranchi, Jharkhand**





APSI FELLOWSHIP AWARD

2021

Dr. S.P. Mohapatra  
Jajpur  
Odisha





# ACADEMY OF PLANT SCIENCES INDIA

## CITATION



**APSI Mirat - Madhav Life Time  
Achievement Award  
2019**

**Dr. Sarada Prasad Mohapatra**

Dr. S.P. Mohapatra

The Academy feels great pleasure in presenting **APSI Mirat - Madhav Life Time Achievement Award** to **Dr. S.P. Mohapatra**, Head, Department of Botany, Narasingh Chaudhary Autonomous College, Jajpur, Odisha, for his outstanding contribution and research in the field of **Environmental Sciences and Ethnobotany**.

Educated at Ravenshaw University, Cuttak, Odisha for his Master's and Doctrate degree, **Dr. Mohapatra** has published more than 50 **Research papers** in Journals of repute and presented papers in various National and International Conferences. He is also a member of several scientific bodies and has received many awards and fellowships. Recently in 2019 he has received award from CSIR New Delhi and National level Award as Iconic Faculty at Jaipur, Rajasthan He visited Sarawak, Malaysia in 2012 to attend 4<sup>th</sup> Global summit on effects of climate change on Medicinal and Aromatic Plants and in 2019 he visited Bangkok, Thailand and Kathmandu, (Nepal) and participated in International Conference.

Considering the very sincere efforts of **Dr. S.P. Mohapatra** for his outstanding and extraordinary achievements of research in various fields of Plant Sciences. The Academy takes this opportunity of honouring him with a Medal, which is a token of Academy's recognition of the rare distinction, he has earned in his specialized field of research.

May God Bless Him !

Secretary General

Dated : 23<sup>rd</sup> November, 2019

Place : Smt. N.M. Padalia Pharmacy College  
Ahmedabad, Gujarat

  
APSI

*Sanctioned by Executive Council of Academy of Plant Sciences, India*

**Secretariate** : 108, Pacific Height, Near PAC, Roorkee Road, MEERUT - 250001 (U.P.) India

**Secretary** : Dr. S.K. Gupta, Retd. Principal and Head of Botany Department, D.A.V. College, Muzaffarnagar-251001  
Phone : 9756728551, 8941919500

29<sup>TH</sup>

**APSI Scientists Meet 2019, SNMP Pharmacy College, Ahmedabad (Gujarat)**



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IT/JPR/20-21/10072



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Reg:104248



*Sugamya, Sashakt, Samarth, Sahayak*

## **Saksham Society, Jaipur, Rajasthan**

*Proudly Presents*

### **INTERNATIONAL EDUCATION LEADER'S SUMMIT AND CONFERENCE SEASON-3**

**IN ASSOCIATION WITH**

**NEPAL YOUTH ASSOCIATION BY UNITED YOUTH FOR WORLD PEACE, NEPAL  
NEW WORLD LIFE ORGANIZATION HEALTH UNIT, SRI LANKA**

**3rd to 4th July 2021**

### **CHAIPERSON AWARD**

*This certificate is proudly presented to*

**DR. SARADA PRASAD MOHAPATRA**

**International Coordinator Head Dept. of Botany**

**N.C.A.C. Jajpur, Odisha India**

*in recognition of his/her outstanding accomplishment and  
individual excellence in his/ her chosen field of education*



*RSingh*

**Dr. Rajendra Kr. Singh**  
( President )  
Saksham Society,  
Jaipur

*Shilpi Chauhan*

**Dr. Shilpi Chauhan**  
( Secretary )  
Saksham Society,  
Jaipur

*Mr. Praveen Kumar Regmi*

**Mr. Praveen Kumar Regmi**  
Faculty, Dept of ENVT Sc. TCTUK,  
Nepal

*Dr. Namal Jeewananda*

**Dr. Namal Jeewananda**  
NWLO Group Founder  
Chairman & Director General  
Sri Lanka



# SCIENTISTS MEET & INTERNATIONAL CONFERENCE

ON  
"DRUG DISCOVERY AND DEVELOPMENT IN  
AGROBIOTECHNOLOGY AND PHARMACEUTICAL SCIENCES"

Organised by  
Smt. N.M. Padalia Pharmacy College, Ahmedabad, Gujarat, India  
&  
Global Agrobiotech Research Foundation, Ahmedabad, Gujarat, India  
November 23<sup>rd</sup> - 25<sup>th</sup>, 2019



Dr. Sarada Prasad Mohapatra  
M.Sc. Botany, Ph.D. (UK), F.R.S. (UK), F.R.S. (India)  
PERC (India)

## CITATION EMINENT YOUNG SCIENTIST AWARD - 2019

IN THE LOVABLE, BENIGN AND IMMORTAL MEMORY

OF  
Late Mohari Devi & Late Dr. Sheo Gulam Sahu

(Parents of Dr. (Mrs.) Usha Prasad Gupta & Dr. Ram Lal Sahu, Former University  
Professor & Head, Department of Botany, Marwari College, Ranchi, Jharkhand, India  
(An Autonomous College for potential with excellence of Ranchi University, Ranchi, Jharkhand, 834001)

Dr. SARADA PRASAD MOHAPATRA, Associate Prof. & Head, Department of Botany, Narasingh  
Choudhury Autonomous College, Jajpur, Odisha, India

The Repate Institutions feel great pleasure in presenting the "EMINENT YOUNG SCIENTIST AWARD - 2019" to DR. SARADA PRASAD MOHAPATRA  
for his outstanding contributions and researches in the fields of Environmental Sciences, Ethnobotany, Agriculture, Biotechnology, Environmental Ethics and Bioremediation.

Dr. Mohapatra was awarded Ph.D. degree in Environmental Science on "Ecosystem Detention in Tribal Village of Bolangir District, Odisha" from Ravenshaw University, Cuttack,  
Odisha, India. Dr. Mohapatra has published more than 50 research papers in the Journal of repute and presented papers in various National & International Conferences at Nepal, Malaysia,  
Bhutan and Thailand. He is also member of various scientific bodies, the Academy of Plant Sciences India, American Society of Plant Biologists, USA, member of World Energy and Environment  
Technology, UK, Fellow member of Endoxia Research Centre and Institute of Scholars, Bangalore, India. Recently a research project is continuing on "Agrobiotech and its Implication in Agriculture"  
in collaboration with Dr. Ulrich Berk, German Institute of Home Therapy, Germany. For these "Novel & Challenging" endeavours, the credit goes to Dr. Mohapatra.

In the recognition of his contribution in the fields of research and extraordinary achievements, the repate institution joyfully extending the "HONOUR" to the  
Dr. Sarada Prasad Mohapatra with a Gold Medal in the "SCIENTISTS MEET & INTERNATIONAL CONFERENCE - 2019"  
on the Day of 23<sup>rd</sup> of November 2019 at Smt. N.M. Padalia Pharmacy College, Ahmedabad, Gujarat, India. May god bless him! November 23, 2019

(Prof. P. Kaushik)  
President  
of SCIENTISTS MEET & INTERNATIONAL CONFERENCE  
APSI, India

(Dr. S.K. Gupta)  
Conference Co-Ordinator  
of SCIENTISTS MEET & INTERNATIONAL CONFERENCE  
APSI, India

(Prof. R.L. Ram)  
National Advisory Committee  
of SCIENTISTS MEET & INTERNATIONAL CONFERENCE  
APSI, India

(Dr. K.M. Patel)  
President (GATEP)  
Executive Director (Academic)  
Smt. N.M. Padalia Pharmacy College, Ahmedabad, India

(Dr. Jitendra O. Bhangale)  
Principal  
Organizing Secretary (SCIENTISTS MEET & INTERNATIONAL CONFERENCE)  
Smt. N.M. Padalia Pharmacy College, Ahmedabad  
Life Member APSI, India





# Environment & Social Welfare Society Khajuraho, India

Dedicated to Environment, Education, Art and Science and Technology  
since Bi-millennium.

## ESW Fellowship

to

**Dr. Sarada Prasad Mohapatra**  
Associate Professor of Botany  
Narasingh Choudhary College, Jajpur, Odisha

in the field of Botany & Environmental Science.

Tenure ESW VIII Annual National Research Conference on  
“Anthropogenic Impact on the Environment, Society and Human health”  
on January 30 to 31, 2021

  
**Dr. Ashwani Kumar Dubey**  
President  
ESW Society, Khajuraho



QM0820200500003



*Sugamya, Sashaqt, Samarth, sahayak*

APPRENTICE ACT, 1961,  
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**Saksham Society, Jaipur, Rajasthan**

*Proudly Presents*

**INTERNATIONAL EXCELLENT ACHIEVER  
AWARD AND CONFERENCE**

**25, April 2021**

**GUEST OF HONOR**

*This certificate is proudly presented to*

**DR. SARADA PRASAD MOHAPATRA**

**ASSOCIATE PROFESSOR HEAD, DEPARTMENT OF BOTANY,  
NARSINGHA CHOUDHURY AUTONOMOUS COLLEGE, JAIPUR,  
ODISHA, INDIA**

*in recognition of his/her outstanding accomplishment and  
individual excellence in his/ her chosen field of education*

Organizer :

**Dr. Rajendra Kr. Singh  
( President )  
Saksham Society, Jaipur**

CO-Organizer :

**Dr. Shilpi Chauhan  
( Secretary )  
Saksham Society, Jaipur**







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## Environment And Social Welfare Society Khajuraho, India

Dedicated to Environment, Education, Art and Science and Technology since Bi-Millennium

### Awarded Certificate

to

*Dr. Sanda Prasad Mohapatra*  
*Associate Professor of Botany*  
*Narasimh Choudhary College, Jaipur, Odisha*

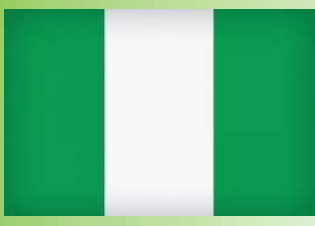
As Honourable member ☐ Patron ☐ Life member ☒ General member ☐

of Environment and Social Welfare Society, Khajuraho  
Madhya Pradesh, India

**Dr. Ashwani Kumar Dubey**  
President  
E. S. W. Society, Khajuraho  
INDIA

Date : 31/08/2020





Q/M0820200500003



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1961,  
IT/JPR/20-21/10072

Reg. 104248  
Sugamya, Sashakt, Samarth Sahayak

# ***"WORLD ENVIRONMENT SUMMIT AND AWARDS"***

***ORGANIZED BY***

***SAKSHAM SOCIETY JAIPUR, RAJASTHAN***

***IN ASSOCIATION WITH***

***NEW WORLD LIFE ORGANIZATION HEALTH UNIT SRI LANKA***

## ***CERTIFICATE OF APPRECIATION***

***This is to certify that***

***DR. SARADA PRASAD MOHAPATRA***

***INTERNATIONAL COORDINATOR HEADDEPT.OFBOTANY N.C.A.C.  
JAJPUR, ODISHA INDIA***

***HAS PARTICIPATED AS "CHAIRPERSON" AND DELIVERED A  
LECTURE TO GRACE OUR AUDIENCE IN "WORLD  
ENVIRONMENT SUMMIT AND AWARDS" HELD ON 26TH OCT,  
2021 ORGANIZED BY  
SAKSHAM SOCIETY JAIPUR, RAJASTHAN  
IN ASSOCIATION WITH  
NEW WORLD LIFE ORGANIZATION HEALTH UNIT SRI LANKA***

MR. RAJENDRA KR. SINGH  
PRESIDENT  
SAKSHAM SOCIETY JAIPUR,  
RAJASTHAN INDIA

DR. SHILPI CHAUHAN  
SECRETARY  
SAKSHAM SOCIETY JAIPUR,  
RAJASTHAN, INDIA

DR. NAMAL JEEWANANDA  
NWLO GROUP FOUNDER  
CHAIRMAN & DIRECTOR GENERAL,  
SRI LANKA





**SAKSHAM SOCIETY®**  
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F-1, 78, UDH, Tulip,  
Goner Road,  
Raghunandan Vihar,  
Jaipur, Rajasthan .  
303905

To,

Ref: SS/RJ/21/122, Date: 01/2/2022

Dr. Sarada Prasad Mohapatra  
Academic Head and  
International Coordinator  
N C (A) College Jajpur, Odisha India

**Subject: Invitation letter**

Dear Sir,

Greetings of the Day!!!

We are proudly announced that we are going to organize “Global Peace Summit and Awards 2022” to be held on 28<sup>th</sup> Feb 2022. We are expecting around 10 countries will be part of this great event. Sir, we want to invite you as a chairperson. you to please confirm your availability.

Thanks & Regards

Dr. Shilpi Chauhan  
Secretary  
Saksham Society  
Jaipur, Rajasthan, India

**SAKSHAM**



Life Time Award of  
Membership  
FMERC

# FMERC

## FELLOW MEMBER OF EUDOXIA RESEARCH CENTRE



WE HEREBY CONFER UPON

**DR. SARADA PRASAD MOHAPATRA**

This prestigious **Fellow Member of Eudoxia Research Centre** is awarded on 20th April, 2019, in recognition of contribution made in the field of Research and Development. (Botany)

**Dr. P. Kumari**  
MANAGING DIRECTOR,  
EUDOXIA EDUCATION



**Dr. M. Mathiyazaghan**  
DIRECTOR, EUDOXIA  
RESEARCH CENTRE

FMERC ID: IN2019FMRC0020

Eudoxia Education Private Limited  
CIN: U80904AS2018PTC018693  
ISO 9001:2015 Certified Organization



# GLOBAL AGROBIOTECH & PHARMA RESEARCH FOUNDATION



M:+917405285680

E mail: gabtprf@gmail.com

5/A, Chandramani Society, Canal Road, Ghodasar, Ahmedabad, Gujarat 380050

Shree Maganbhai Patel  
Chairman

Dr. K. M. Patel  
President

Dr. Jitendra O. Bhangale  
General Secretary

To,

**Dr. S. P. MOHAPATRA,**

Head, Botany Department,

Narasimh Choudhary Autonomous College, Jajpur, Odisha

**Subject: GABTP Young Scientist Award-2021**

**Respected Sir,**

Dear Sir/Madam,

Heartiest congratulations....

I am pleased to inform you that the executive council of Global Agrobiotech & Pharma Research Foundation, Ahmedabad, India has decided to honor you by **GABTP Young Scientist Award-2021**, in recognition of your commendable research activities.

As you are aware that GABTP is organising **National Conference on Global Warming, Climate Change and Pollution: Their impacts on Biodiversity and Human Welfare** at Department of Botany, Dr. Shyama Prasad Mukherjee University, Ranchi, India to be held on 21st to 23rd November, 2021.

So at this occasion you will be honoured by a **GABTP Young Scientist Award-2021** in the inaugural function of conference on 21st November, 2021. Hence you are requested to reach on 21st November, 2021 before 8:00 A. M.

I on behalf of executive council of Global Agrobiotech & Pharma Research Foundation, Ahmedabad, India invite you to participate in the conference and request you to send abstract for presentation on the subject of your specialization and confirm your registration on or before 10th October 2021.

As we are not receiving any financial help from any Government or Private agency, hence we will not be able to pay any travel or other expenses. So please you are requested to manage your travelling and other expenses from your end.

Kindly confirm about your participation and inform us about your arrival programme at Ranchi before 10th October 2021 to manage everything in time.

Looking towards your quick response and kind co-operation.

Regards,

**Dr. Jitendra Bhangale**

General Secretary,

Global Agrobiotech & Pharma Research Foundation,  
Ahmedabad

🏠 H189, Sector 63, Noida, U.P., India

☎ (+91) 8475 000603  
(+91) 9634 230707

✉ gisrfoundation@gmail.com

🌐 www.gisr.foundation



Date: May 13, 2019

**Dear Dr. Sarada Prasad Mohapatra**  
**Botany,**  
**Narasingh Chowdhury Autonomous College,**  
**Jajpur, Odisha, India**

**Subject:- Your Nomination for IARE-2019 Awards**

Greetings!!!

We feel immense pleasure to inform you that your Nomination has been accepted for the "**Best Academic Coordinator Award**" by "**International Academic and Research Excellence Awards (IARE-2019)**" committee in recognition of your exceptional calibre and outstanding performance in your chosen area of Academic & Research. After strict scrutiny and on recommendation of external experts for this Award, you have been chosen among a few outstanding persons who will receive the prestigious award in "**IARE Awards - 2019**". The award ceremony will be held on June 08, 2019 from 7:00 PM onwards at Hotel Park Ascent, Sector 62, Noida, U.P, India. The selection of the awardees, in general, is based on the information provided by you. This Award shall certainly raise your eminence in the society and shall give a boost to your carrier from all perspectives.

Kindly ensure that your confirmation together with the Registration Form, Citation and Photograph reach us latest by 20<sup>th</sup> May 2019 through online registration link.

International Academic and Research Excellence Award team is looking forward to meet you at India's biggest Award Summit on 08<sup>th</sup> June 2019.

Thanks & Regards

A handwritten signature in black ink, appearing to read "Mayank Singh", is written over the printed name.

GISR Foundation

Noida, U.P., India





**SAKSHAM SOCIETY®**  
Sugamya, Sashakt, Samarth, Sahayak

F-1, 78, UDH, Tulip,  
Goner Road,  
Raghunandan Vihar,  
Jaipur, Rajasthan .  
303905

Ref: SS/RJ/19/71, Date: 8<sup>th</sup> June 2019

To,

Dr Sarada Prasad Mohapatra

Associate Prof in Botany

Narasingh Choudhury Autonomous college Jaipur Odisha

**Subject: Invitation for “Iconic Faculty Award-2019”**

Dear Sir/Madam,

NGO Saksham Society, in Association with Parishkar College of Global Excellence is proudly conducting a national level, award function, “Educational Leaders’ Summit 2019” to be held on **30<sup>th</sup> June, 2019**. It has been decided that during the event, we shall provide awards of two different categories- Educationists (Faculties) & Institutions. For the purpose, we have shortlisted the Iconic Faculties, based on stringent methods and recommendations from the Jury out of the hundreds of profiles received on a centralized email.

We had received your profile and nomination for the Iconic Faculty Award, 2019 and it has been selected. **Congratulations!!! We confer you the Iconic Faculty Award- 2019.**

**Venue:**

**Parishkar College of Global Excellence,  
Near Metro Mas Hospital,  
Shipra Path, Mansarovar  
Jaipur. Rajasthan.  
Nearest Metro Station: Mansarowar  
Time: 9.00 a.m. Onwards**

You are hereby invited to kindly come and collect your Award, Memento etc. in person.

**Note: No T.A. /D.A. shall be provided to attend the event.**



Thanks and regards  
Dr. Shilpi Chauhan  
(Founder)  
NGO Saksham Society  
Jaipur, Rajasthan



19ATL

International Conference on Recent Trends in Agriculture, Environment & Bio Sciences Thailand 2019

Participation & Presentation Certificate

This is to certify that

**DR. SARADA PRASAD MOHAPATRA**

has participated and presented in

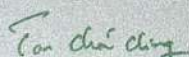
the International Conference Thailand - 2019 with paper titled

**BIOREMEDIATION OF DISTILLERY SPENT WASH**

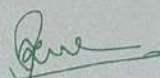
**(MELANOIDIN)-A NOBLE APPROACH**

at Asian Institute of Technology Conference Center,

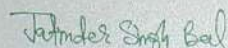
Bangkok, Thailand, March 29-30, 2019.



Dr. Chai Ching Tan  
Conference Coordinator  
Faculty of Management Sciences  
Mae Fah Luang University, Thailand



Dr. Tanmoy Rudra  
Executive Secretary  
Confederation of Indian Universities  
New Delhi, India



Prof. Dr. Jatinder Singh Bal  
Vice Chancellor  
Sant Baba Bhag Singh University  
Jalandhar, Punjab, India



Dr. Ratnakar D Bala  
Conference Chairman  
Director (Academics), International  
Multidisciplinary Research Foundation

Jointly Organized by IMRF Thailand Chapter | SBSU University, India | CIU India | DRPF Macedonia | IIM Australia & IMRF India, # 1-90, Near VTPS Main Gate, Sirahmourgam, Karnal Distt, Haryana Pradesh, India

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LCP01

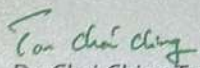
International Conference on Recent Trends in Agriculture, Environment & Bio Sciences Thailand 2019

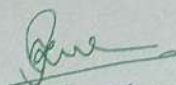
Certificate of Appreciation

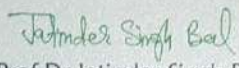
This is to certify that

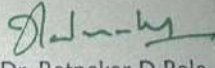
**DR. SARADA PRASAD MOHAPATRA**

has chaired/served as a Rapporteur in the International Conference on  
Recent Trends in Agriculture, Environment & Bio Sciences Thailand 2019  
at Asian Institute of Technology Conference Center,  
Bangkok, Thailand, March 29-30, 2019.

  
Dr. Chai Ching Tan  
Conference Coordinator  
Faculty of Management Sciences  
Mae Fah Luang University, Thailand

  
Dr. Tanmoy Rudra  
Executive Secretary  
Confederation of Indian Universities  
New Delhi, India

  
Prof. Dr. Jatinder Singh Bal  
Vice Chancellor  
Sant Baba Bhag Singh University  
Jalandhar, Punjab, India

  
Dr. Ratnakar D Bala  
Conference Chairman  
Director (Academics), International  
Multidisciplinary Research Foundation

Jointly Organized by IMRF Thailand Chapter | SBBS University, India | CIU India | DRPF Macedonia | IIM Australia & IMRF India, # 1-90, Near VTPS Main Gate, Brahmajpuram, Krishna Dt., Andhra Pradesh, India

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19ATL

International Conference on Recent Trends in Agriculture, Environment & Bio Sciences Thailand 2019

Certificate of Best Paper Award

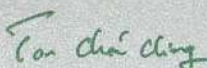
Best Paper Award is hereby conferred to

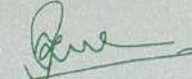
**DR. SARADA PRASAD MOHAPATRA**

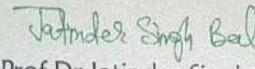
in the International Conference Thailand - 2019 for the paper titled

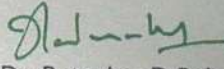
**BIOREMEDIATION OF DISTILLERY SPENT WASH  
(MELANOIDIN)-A NOBLE APPROACH**

at Asian Institute of Technology Conference Center,  
Bangkok, Thailand, March 29-30, 2019.

  
Dr. Chai Ching Tan  
Conference Coordinator  
Faculty of Management Sciences  
Mae Fah Luang University, Thailand

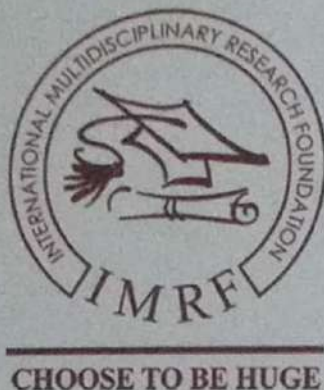
  
Dr. Tanmoy Rudra  
Executive Secretary  
Confederation of Indian Universities  
New Delhi, India

  
Prof. Dr. Jatinder Singh Bal  
Vice Chancellor  
Sant Baba Bhag Singh University  
Jalandhar, Punjab, India

  
Dr. Ratnakar D Bala  
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Director (Academics), International  
Multidisciplinary Research Foundation

Jointly Organized by IMRF Thailand Chapter | SBBS University, India | CIU India | DRPF Macedonia | IIM Australia & IMRF India, # 1-90, Near VTFS Main Gate, Brahamasapetnam, Krishna Dt, Andhra Pradesh, India





**INTERNATIONAL  
MULTIDISCIPLINARY  
RESEARCH FOUNDATION**  
RATNA PRASAD MULTIDISCIPLINARY RESEARCH & EDUCATIONAL SOCIETY

IMRF Institute for Education & Research Thailand Academic Chapter

## **IMRF BEST RESEARCHER AWARD**

In recognition of the consistent superior performance in

### **BOTANY**

and upon the recommendations

of the committee on IMRF Academic Awards for the academic year 2018-19

**THE INTERNATIONAL MULTIDISCIPLINARY RESEARCH FOUNDATION**

acknowledges the invaluable contribution of

**DR. SARADA PRASAD MOHAPATRA**

and is pleased to present this prestigious Academic Award

on the eve of

IMRF's 101th International Conference

at Asian Institute of Technology CC, Bangkok, Thailand

March 29th, 2019

**BALA RATNAKAR, PRESIDENT IMRF**

Date: April 26, 2019

Letter of Invitation and Acceptance

Name : Sarada Prasad Mohapatra  
Mail id: babuni0808@yahoo.co.in

**Affiliation: Department of Botany, N. C (Autonomous) College, Jajpur, Odisha, India**

**Greetings from Scientific Federation!**

We cordially invite you to attend our “**2<sup>nd</sup> International Congress and Expo on Agriculture & Horticulture**” (ICEAH-2019) which is going to be held during **August 12-13, 2019 at Prague, Czech Republic**. We welcome you to join us and share your knowledge and views on the theme “*Recent Innovations and Implementation of Modern Technologies in Agriculture and Horticulture Practices*”. In this regards we are delighted to inform you that your abstract entitle with “**Environmental Management System (EMS) and Agricultural Sustainability**” has been accepted for ICEAH 2019.

**ICEAH-2019** is a scientific congregation which brings together researchers, scientists, key decision makers, industry professionals and Students in the same physical space for a brief yet intense period of discussion, collaboration, and addressing related problems in research.

We believe this conference will be a highly rewarding educational and networking experience for all.

We look forward to meet you in Prague, Czech Republic.

For more details about **Agriculture & Horticulture-2019 conference**

PS: <https://scientificfederation.com/iceah-2019/index.php>

With our best wishes,



**Vijay Kumar**, Scientific Committee Operator  
**ICEAH-2019**  
Scientific Federation

**Note: This invitation is only to attend Agriculture & Horticulture-2019, Prague, Czech Republic.**





Mar 29-30, 2019

Venue:

Asian Institute of Technology Conference Center (AITCC)  
Klong Luang, Pathumthani, Bangkok, Thailand

[www.imrfedu.org/thailand2019](http://www.imrfedu.org/thailand2019) | [icthailand2019@gmail.com](mailto:icthailand2019@gmail.com)

Jointly Organized by IMRF Thailand Academic Chapter & Sant Baba Bhag Singh University, Punjab, India

**Conference Chief Patron:**

Prof. Dr. Ratnakar D B  
Director, IMRF, India

**Conference Patron:**

Prof. Dr. Jatinder Singh Bal  
Vice Chancellor,  
SBBS University, Punjab, India

**Conference Coordinator :**

Dr. Chai Ching Tan,  
Faculty of Management Sciences  
Mae Fah Luang University, Thailand

**Conference Convener :**

Dr. Worakamol Wisetsri,  
Faculty of Social Sciences  
King Mongkut's University of  
Technology, Thailand

**International Advisory Members :**

Dr. Jagmohan Bajaj, Expert in UNESCO,  
Spl Envoy, Ministry of Education &  
Science, Republic of Macedonia

Prof. Dr. M Lellis Thivagar  
Chairperson, School of Mathematics  
Madurai Kamaraj Univeristy, TN, India

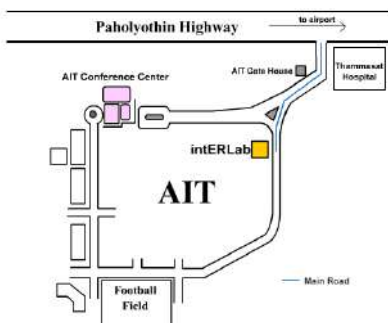
Prof. Francisco Jose Alcala Torreslanda,  
Vice President, Kellogg Co, USA.

Prof. Mora Fernandez,  
La Casa Mandarin, Mexico

Prof. Katja Petakova,  
Jensen Education, Sweden

Dr. Jeyarani,  
American College, Madurai, India

Prof. Lorena Kourousias,  
La Casa Mandarin, USA



Thailand  
DT : 11/01/2019

To

**Dear Dr. Sarada Prasad Mohapatra**

*Congratulations! Based on the Recommendations of the Reviewers and the Technical Program Committees, we are pleased to inform you that your Paper*

**19ATL : Bioremediation of Distillery Spent Wash (Melanoidin) - A Noble Approach**

*has been accepted for presentation (PPT 20 min) and Full paper Publication.*

*You are cordially invited to present the paper at the International Conference to be held Mar 29-30, 2019 at Asian Institute of Technology Conference Center(AITCC), Klong Luang, Pathumthani, Bangkok, Thailand*

*Looking forward to see you at the Conference.*



For Organizers

**Note:**

All Overseas delegates are requested to join, with 6 Months Validity Passport and Return Flight Ticket along with Hotel Accommodation Confirmation.

Ph. No. 4-244047



# Tribhuvan University Tri-Chandra Multiple Campus

(Estd. 1918 A.D.)



Office of the Campus Chief

Saraswati Sadan,  
Kathmandu, Nepal.

9<sup>th</sup> September, 019

Date: .....

Ref. No.: 1421/019

To,  
The Principal,  
Narasingh Choudhary Autonomous College,  
Jaipur, India

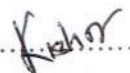
*Sub: Invitation in favour of Dr. Sarada Prasad Mohapatra to be an invited speaker in Environmental Science Seminar and Meeting for MOU.*

Sir,

We are pleased to share you that we are doing Seminar on 27<sup>th</sup> September on the topic "Environmental Sustainability; Scenarios and Challenges". For this, we have planned and discussed to invite Dr.S.P. Mohapatra as a Guest Speaker in this program. His noble works and contribution towards the research sector are highly appreciable .His research in the environment sector are much informative and fruitful. So considering his contribution towards this sector we are very much excited to welcome him in this program from your esteemed institution. Moreover I am arranging meetings in our college and other prestigious institutions for doing MOU on student and faculties exchange program. I will be there for creating favorable environment for his visit. Hopefully you and your organization will support him to be here and accomplish the desired works soundly.

Thanking you!

Regards,



Asst.Prof.Kishor Kumar Maharjan

Head of Department

Department of Environmental Science

Tri-Chandra Multiple Campus, Ghantaghar Kathmandu

Tribhuvan University



INTERNATIONAL  
YOUTH DAY

2020  
YOUTH ENGAGEMENT  
FOR GLOBAL ACTION

## CERTIFICATE OF APPRECIATION


Presented to

Mr. Dr. Sarada Prasad Mohapatra

For sharing your experience with regards to COVID-19 as  
young speaker from India  
at Cross Country Experience Exchange Program,  
organized by  
Youth Advocacy Nepal (YAN) on 13 August 2020.



**YOUTH ADVOCACY NEPAL**  
**युथ एड्मोकेसी नेपाल**

  
Naren Khatiwada  
President,  
Youth Advocacy Nepal  
(YAN)

# CERTIFICADO DEL PONENTE

es presentado con mucho honor a


**Dr. Sarada Prasad Mohapatra**

por su participación como **ponente** en la semana académica  
**IAAS PERU WEEK**, organizado por **IAAS PERÚ** en  
coordinación con **IAAS WORLD & FACULTAD DE**  
**AGRONOMÍA DE LA UNIVERSIDAD NACIONAL**  
**AGRARIA LA MOLINA** en el periodo del 8 al 14 de  
**NOVIEMBRE.**



  
**Festus Yosafat**  
Presidente de  
IAAS World

  
**Shirley Zevallós**  
Directora Nacional de  
IAAS Peru

  
**Andres Casas**  
Decano de la facultad de  
Agronomía de la UNALM

CÓDIGO: **F.A.677-2021**



**International Conference on New Frontiers in Engineering, Science, Law, Management, Humanities  
and Social Science 2020**

**INFES-2020**

**GAUHATI UNIVERSITY, GUWAHATI, INDIA**

**22<sup>nd</sup> and 23<sup>rd</sup> FEBRUARY 2020**

To

**Dr Sarada Prasad Mohapatra**

Associate Prof in Botany, Narasingha Choudhury Autonomous College, Jajpur Odisha

Greetings...

The Eudoxia Research Centre, Eudoxia Education Private Limited is organizing the 'International Conference on New Frontiers in Engineering, Science, Law, Management, Humanities and Social Science 2020' "**INFES-2020**" on **22<sup>nd</sup> and 23<sup>rd</sup> February 2020** in **Gauhati University, India**. The conference has been planned with the aim to bring together Scientists, Engineers, Technologists, Advocates, Lawyers and Social Scientists around the world into a single platform in India. The conference will attract and influence its audience through a program of paper presentations and poster presentation addressing the new frontiers in research as an interdisciplinary forum. The conference will feature presentations by well known personalities with key role in the areas of research relevant to the title of the conference and there will be International Golden Award Ceremony on 23<sup>rd</sup> February, 2020. Efforts will be made to highlight the areas of new approaches need to be developed and reinforced.

On behalf of the central organizing committee of INFES-2020, we sincerely hope that you can join us as a **member**, **International Organizing Committee INFES-2020** in this International Conference and Award Ceremony. The upcoming conference will be a multidisciplinary conference providing more than one thousand participants internationally. Your gracious presence and confirmation for joining the International Conference INFES-2020 will bring wisdom and knowledge from your field of expertise to share with the young researchers. If it will be not possible to attend the INFES-2020 with your physical presence then also you can accept our invitation by sending your pre-recorded video of your talk for our conference.

The presentation of **Invited Speaker** of INFES-2020 is requested for 10.00 minutes on **22<sup>nd</sup> February 2020** and after your acceptance as **Member of International Organizing Committee INFES-2020**, your photograph, name will be displayed in INFES-2020 in social media campaign.

We hope to meet you in the INFES-2020 in Gauhati University, India. Kindly give us the Acceptance Letter for the above mentioned subject in upcoming INFES 2020.

Thanking you in advance for your cooperation.

Regards

*Pratisha Kumari*

**(Dr. Pratisha Kumari)**

**Organizing Secretary,**

**Central International Organizing Committee, INFES-2020, Gauhati University, India**

Visit us: <http://eudoxiaeducation.com> or [www.infes2020.com](http://www.infes2020.com)



**INTERNATIONAL ASSOCIATION OF STUDENTS  
IN AGRICULTURAL AND RELATED SCIENCES  
COMITÉ NACIONAL DE PERÚ**



Lima, Perú, September 18, 2021

Dear Sarada Prasad Mohapatra,

Receive a cordial greeting of **IAAS Perú**, we are part of **IAAS – International Association of Students In Agricultural and related sciences**, this is an international society of students without profit fines and nongovernmental, which promotes the exchange of experiences, knowledge and ideas to improve mutual understanding between students in the field of agriculture and related sciences worldwide. Today it is found in 50 countries around the world made up of more than 10,000 students from more than 130 universities.

Let us let you know that we are conducting a series of conferences **IAAS PERÚ WEEK** with the theme of 'Sustainability, a new vision of the world'. This event aims to bring together people from different parts of the world who can learn more about various topics of agriculture and related sciences focuses on agricultural sustainability, in addition to carrying out activities that generate cultural exchanges.

It is an honor for this organization to send you this invitation to participate as a speaker in our section of 'International presentations'. We know about your work in sustainable agriculture, the application of wisdom light technology that improve the soil quality sounds very interested, we would like to have a topic like that or any other theme related to sustainability . If you accept the invitation, we will be communicating with you about the dynamics and the date of the presentation.

We look forward to your reply, hoping it would be affirmative.

Yours faithfully,

**Shirley Zevallos**  
Directora Nacional  
IAAS Perú  
D.N.I. 72045326

**Alejandro Quezada**  
Coordinador Nacional de  
Relaciones Exteriores  
IAAS Perú  
D.N.I. 74833830

**Contacto**  
[www.iaasworld.org](http://www.iaasworld.org)

**Correo**  
[peru@iaasworld.org](mailto:peru@iaasworld.org)

**Conecta con nosotros**  
**IG: @iaasperu**  
**FB: IAAS PERÚ**





## *Certificate of Appreciation*

We are very thankful to Dr **Sarada Prasad Mohapatra**, an associate professor of Narasingh Choudhury Autonomous College, India for joining us as a guest speaker in Guff-Gaff program. Guff-Gaff is an informal talk program conducted by Resources Himalaya Foundation/Environmental Graduates in Himalaya to enhance the interaction between experts and participants. Dr Mohapatra presented a talk on "**Bioremediation of Distillery Spent Wash (Melanoidin) - A Noble Approach**" on January 20, 2021.

Dr Dinesh Neupane  
Program Director  
Resources Himalaya Foundation



# XV WORLD FORESTRY CONGRESS

Building a Green, Healthy and Resilient Future with Forests

2–6 May 2022 | Coex, Seoul, Republic of Korea

29 April 2022

## SPEAKERS' CORNER LIGHTNING PRESENTATION SCHEDULE

Session 2

Date: Wednesday, 4 May 2022

Time: 14:00–17:30 Hall C3

Segment 1		
Title	Speaker	Title of accepted paper and ID
<i>Introduction and Welcome</i>	Vinamra Mathur, Moderator	
<i>Lightning presentation (3 min each)</i>	Bambang Tri Sasongko Adi	Application of Assisted Natural Regeneration (ANR) to Enhance Forest Biodiversity in West Kalimantan, Indonesia 3488269
	Luisa Fernanda Velasquez Camacho	Soil Phosphorus behavior assessing under mixed stands vs pure stands 3486443
	Md Danesh Miah	Tree-biomass-carbon estimation in the coastal afforestation sites of Chittagong, Bangladesh 3474035
	Veronica Loewe-Munoz	Irrigation effect on stone pine ( <i>P. pinea</i> L.) stem diameter changes. 3624492
<b>Q&amp;A (12 min)</b>	Vinamra Mathur, Moderator	
<b>Wrap-up (2 min)</b>	Vinamra Mathur, Moderator	

Segment 2		
Title	Speaker	Title of accepted paper and ID
<i>Introduction and Welcome</i>	Jennifer Hong, Moderator	
<i>Lightning presentation (3 min each)</i>	Alexandre Meybeck	Natural rubber contributions to adaptation to climate change 3476528
	Himangana Gupta	Creating biodiversity safeguards for nature-based solutions for climate change mitigation and adaptation 3486767
	Maharaj Muthoo	Climate Change, Forest Restoration and Payment for Ecosystem Services



		3486186
	Irina Cristal	Coupling machine learning and forest simulations to promote the applicability of long-term forest projections under climate change perspective 3623078
<b>Q&amp;A (12 min)</b>	Jennifer Hong, Moderator	
<b>Wrap-up (2 min)</b>	Jennifer Hong, Moderator	

### Segment 3

Title	Speaker	Title of accepted paper and ID
<i>Introduction and Welcome</i>	Jessica Vega Ortega, Moderator	
<i>Lightning presentation (3 min each)</i>	Marín Pompa-García	La variabilidad hidroclimática revela diferencias en la captura de carbono en dos coníferas mexicanas 3487302
	Nuria Bautista Carrascosa	PLAN DE INFRAESTRUCTURA VERDE Y BIODIVERSIDAD DE LA CIUDAD DE MADRID 3487099
	david fernando urrego hernandez	La forestería comunitaria como herramienta para el manejo sostenible de los bosques y alternativa de la reducción de la deforestación en Colombia 3474200
	Georgina Díaz Quintero	Manejo integrado de la sub-cuenca Tuinucú (cuenca del río Zaza) 3476739
<b>Q&amp;A (12 min)</b>	Jessica Vega Ortega, Moderator	
<b>Wrap-up (2 min)</b>	Jessica Vega Ortega, Moderator	

### Segment 4

Title	Speaker	Title of accepted paper and ID
<i>Introduction and Welcome</i>	Amos Amanubo, Moderator	
<i>Lightning presentation (3 min each)</i>	Stella Yu Zhou	Airship in wood harvesting: the case of the FLYING WHALES' LCA60T 3623692
	Pau Brunet-Navarro	An innovative construction system made from local Mediterranean natural resources 3484680

	Belachew G Zeleke	An Innovative Approach of Developing Agro-industrial Waste to Biofuel Value Chain to avoid Charcoal Driven Deforestation in Kenya 3478532
	Salvatore Pinizzotto	Sustainable Development of rubber plantations: challenges and opportunities 3477212
	Takashi Fujiwara	Possibility of local wood from a global perspective: The Environmental Performance on Wooden Main Stadium of Tokyo 2020 3486248
	Angela Arnante	Liberalizing Tree Plantation Policies in the Philippines 3619348
<b>Q&amp;A (15 min)</b>	Amos Amanubo, Moderator	
<b>Wrap-up (2 min)</b>	Amos Amanubo, Moderator	

#### Segment 5

Title	Speaker	Title of accepted paper and ID
<i>Introduction and Welcome</i>	Vinamra Mathur, Moderator	
<i>Lightning presentation (3 min each)</i>	Sarada Prasad Mohapatra	Degradation of Tribal Forest Ecosystem and Food Insecurity among Kutia Kondh tribe of Odisha- A major concern of 21st Century 3654134
	Dona Octavia	Indigenous community forestry and implication to livelihood resilience amidst Covid-19 pandemic in Indonesia 3487132
	Sri Mulyati	Determinants of local people's attitudes towards protected areas: A case study from Kateri Wildlife Sanctuary, Indonesia 3484348
	Lee Don-gak	Influence of Forest Visitors' Perceived Restorativeness on Social-Psychological Stress 3474630
<b>Q&amp;A (12 min)</b>	Vinamra Mathur, Moderator	
<b>Wrap-up (2 min)</b>	Vinamra Mathur, Moderator	



Segment 6		
Title	Speaker	Title of accepted paper and ID
<i>Introduction and Welcome</i>	Jennifer Hong, Moderator	
<i>Lightning presentation (3 min each)</i>	Arvind Kumar	Enhancing economic agro-forestry for livelihood opportunity via Ecosystem Restoration: A case study 3486365
	James Chamberlain	A transition framework for integration of non-wood forest products into the bioeconomy 3480571
	Henri Vanhanen	Assessing wild forest products using a real-time forest resource and planning system 3502939
	Myo Min Latt	The effects of socio-economic characteristics on Willingness to pay for conservation of community forest: the case of Maing-thauk Community Forest, Myanmar 3623495
<b>Q&amp;A (12 min)</b>	Jennifer Hong, Moderator	
<b>Wrap-up (2 min)</b>	Amos Amanubo, Moderator	

# ROLE OF TRIBAL AGRO-ECOSYSTEM AND GLOBAL FOOD SECURITY



**DATE-**  
**3RD OCTOBER 2021**

**TIME-**  
**3 PM WAT**  
**7.30 PM IST**

**ORGANIZERS**  
**NARASINGH CHOUDHURY**  
**AUTONOMOUS COLLEGE, JAJPUR,**  
**ODISHA, INDIA, GCSAYN, INDIA**  
**&**  
**GCSAYN**



**DR. SARADA MOHAPATRA**  
CSAYN, INDIA  
CONVENER



**MR. NTIOKAM DIVINE**  
MD, GCSAYN  
CO-CONVENER



**WORLD  
FOOD  
FORUM**





# ROLE OF STUDENT YOUTH IN SUSTAINABLE FOOD SYSTEM



**DATE**  
**10TH OCTOBER**  
**2021**  
**TIME**  
**3 PM WAT**  
**7.30 PM IST**  
**ORGANIZED BY**  
**DEPT. OF BOTANY**  
**NARASINGH CHOUDHURY**  
**AUTONOMOUS COLLEGE, JAJPUR,**  
**ODISHA, INDIA**  
**&**  
**GCSAYN**



**DR SARADA MOHAPATRA**  
CSAYN INDIA  
CONVENER



**MR. NTIOKAM DIVINE**  
MD, GCSAYN  
CO-CONVENER



# CLIMATE CHANGE AND WATER SCARCITY- FUTURE CHALLENGES OF GLOBAL FOOD SECURITY



**DATE-**  
**17TH OCTOBER 2021**

**TIME-**  
**3 PM WAT**

**7.30 PM IST**

**ORGANIZERS**  
**NARSINGH**  
**CHOUDHURY**  
**AUTONOMOUS**  
**COLLEGE, JAJPUR,**  
**ODISHA, INDIA,**  
**GCSAYN, INDIA**  
**&**  
**GCSAYN**



**DR. SARADA MOHAPATRA**  
CSAYN, INDIA  
CONVENER



**MR. NTIOKAM DIVINE**  
MD, GCSAYN  
CO-CONVENER



WORLD  
FOOD  
FORUM





# PLANT BASED DIET-A HOLISTIC APPROACH TOWARDS FOOD SYSTEM MANAGEMENT



DATE  
24TH OCTOBER  
2021

TIME

3 PM WAT

7.30 PM IST

ORGANIZED BY  
DEPT. OF BOTANY

NARASINGH  
CHOUDHURY

AUTONOMOUS COLLEGE,  
JAJPUR, ODISHA, INDIA

&

GCSAYN



DR SARADA MOHAPATRA  
CSAYN INDIA  
CONVENER



MR. NTIOKAM DIVINE  
MD, GCSAYN  
CO-CONVENER



WORLD  
FOOD  
FORUM



# LAB TO LAND- A SUSTAINABLE APPROACH FOR GLOBAL FOOD SECURITY



**DATE**  
**7TH NOVEMBER**  
**2021**  
**TIME**  
**3 PM WAT**  
**7.30 PM IST**  
**ORGANIZED BY**  
**DEPT. OF BOTANY**  
**NARASINGH**  
**CHOUDHURY**  
**AUTONOMOUS**  
**COLLEGE, JAJPUR,**  
**ODISHA, INDIA**  
**&**  
**GCSAYN**



**DR SARADA MOHAPATRA**  
CSAYN INDIA  
CONVENER

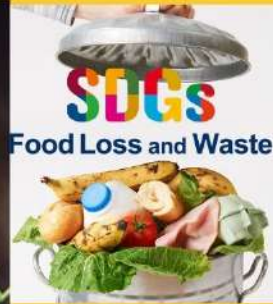


**MR. NTIOKAM DIVINE**  
MD, GCSAYN  
CO-CONVENER





# PREVENTION OF FOOD WASTE AND ERADICATION OF GLOBAL HUNGER (SDG 2)



**DATE-**  
**14TH NOVEMBER**  
**2021**

**TIME-**

**3 PM WAT**

**7.30 PM IST**

**ORGANIZERS**  
**NARASINGH**  
**CHOUDHURY**  
**AUTONOMOUS**  
**COLLEGE, JAJPUR,**  
**ODISHA, INDIA, GCSAYN,**  
**INDIA**  
**&**  
**GCSAYN**



**DR. SARADA MOHAPATRA**  
CSAYN, INDIA  
CONVENER



**MR. NTIOKAM DIVINE**  
MD, GCSAYN  
CO-CONVENER



# CLIMATE CHANGE AND WATER SCARCITY- FUTURE CHALLENGES OF GLOBAL FOOD SECURITY



**DATE-**  
**17TH OCTOBER 2021**

**TIME-**  
**3 PM WAT**

**7.30 PM IST**

**ORGANIZERS**  
**NARSINGH**  
**CHOUDHURY**  
**AUTONOMOUS**  
**COLLEGE, JAIPUR,**  
**ODISHA, INDIA,**  
**GCSAYN, INDIA**  
**&**  
**GCSAYN**



**DR. SARADA MOHAPATRA**  
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CONVENER



**MR. NTIOKAM DIVINE**  
MD, GCSAYN  
CO-CONVENER



WORLD  
FOOD  
FORUM





**20:30 PM IST**



# INNOVATIVE INCLUSION OF THE YOUTH, WOMEN AND PERSONS LIVING WITH DISABILITIES IN SUSTAINABLE FOOD SYSTEMS FOR DEVELOPMENT

## SPEAKERS

- **DATE :** 30th AUGUST 2021
- **TIME :** 2.30 PM EAT
- **VENUE :**  
[https://us02web.zoom.us/j/83514871831?](https://us02web.zoom.us/j/83514871831?pwd=cEFlaTg1S2xjb2VPVEVpUUhUbUNBdz09)  
[pwd=cEFlaTg1S2xjb2VPVEVpUUhUbUNBdz](https://us02web.zoom.us/j/83514871831?pwd=cEFlaTg1S2xjb2VPVEVpUUhUbUNBdz09)  
[09](https://us02web.zoom.us/j/83514871831?pwd=cEFlaTg1S2xjb2VPVEVpUUhUbUNBdz09)

## ORGANIZER



**DR JUDITH WAFULA, LUKENYA  
UNIVERSITY KENYA,  
CONVENER**



**N.DIVINE, MD, GCSAYN  
CO-CONVENER**



**DENIS MUUO  
MUENDO  
AND TEAM KENYA**



**SITEZEU GABRIEL  
CAMEROON**



**DOMINICA VITO  
ITALY**



**ROSE RESIATO RAPUO  
KENYA**



**VIOLET JEPKETER  
KENYA**



**DR SARADA PARSAD  
INDIA**



**SAUL ELIAS LOPEZ  
VENEZUELA**



**SAIDA ABDULAH  
SOMALIA**



**Prof. CONSTANTINE  
NYAMBUGA  
KENYA**



**JEMIMAH KUTATA  
KENYA**



**VIOLET NYANDO  
KENYA**



**DRAMANE TOUNKARA  
MALI**



**SHARON CHACHA  
KENYA**



**TAPIWA MUROMBEDZI  
SOUTH AFRICA**

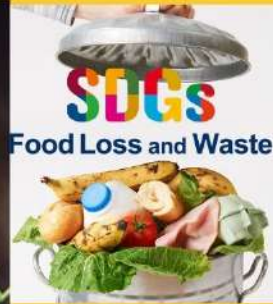


**DR VALASIA  
IAKOVGLOU  
GREECE**





# PREVENTION OF FOOD WASTE AND ERADICATION OF GLOBAL HUNGER (SDG 2)



**DATE-**  
**14TH NOVEMBER**  
**2021**

**TIME-**

**3 PM WAT**

**7.30 PM IST**

**ORGANIZERS**  
**NARASINGH**  
**CHOUDHURY**  
**AUTONOMOUS**  
**COLLEGE, JAJPUR,**  
**ODISHA, INDIA, GCSAYN,**  
**INDIA**  
**&**  
**GCSAYN**



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CONVENER



**MR. NTIOKAM DIVINE**  
MD, GCSAYN  
CO-CONVENER





## GOOD FOOD-GOOD MOOD



## ORGANIZED BY

**DEPT OF BOTANY, N.C (A) COLLEGE, JAJPUR,  
ODISHA, INDIA IN COLLABORATION WITH GCSAYN  
19TH SEPTEMBER 2021**



# GOOD FOOD - GOOD MOOD EAT HEALTHY STAY HEALTHY (VIRTUAL HEALTHY MEAL)



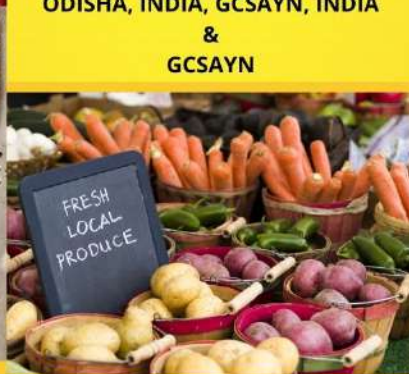
**DATE-**  
**19 TH SEPTEMBER 2021**

**TIME-**  
**3 PM WAT**  
**7.30 PM IST**

**ORGANIZERS**  
**NARASINGH CHOUDHURY**  
**AUTONOMOUS COLLEGE, JAJPUR,**  
**ODISHA, INDIA, GCSAYN, INDIA**  
**&**  
**GCSAYN**



**DR. SARADA MOHAPATRA**  
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CONVENER



**MR. NTIOKAM DIVINE**  
MD, GCSAYN  
CO-CONVENER





# INVITED LECTURE ON PATENT PROCEDURE & APPROVAL(IPR)



SCIENCE & TECHNOLOGY  
DEPARTMENT

ORGANIZED BY  
IQAC, NARASINGH CHOUDHURY  
AUTONOMOUS COLLEGE, JAJPUR,  
ODISHA & DST, GOVT OF ODISHA

**DATE- 08.10.2021**

RESOURCE PERSON-  
DR. SUSANTA KUMAR ROUT  
PROJECT SCIENTIST  
DEPARTMENT OF SCIENCE &  
TECHNOLOGY  
GOVT OF ODISHA





# PLANT BASED DIET-A HOLISTIC APPROACH TOWARDS FOOD SYSTEM MANAGEMENT



DATE  
24TH OCTOBER  
2021

TIME

3 PM WAT

7.30 PM IST

ORGANIZED BY  
DEPT. OF BOTANY

NARASINGH  
CHOUDHURY

AUTONOMOUS COLLEGE,  
JAJPUR, ODISHA, INDIA

&

GCSAYN



DR SARADA MOHAPATRA  
CSAYN INDIA  
CONVENER



MR. NTIOKAM DIVINE  
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CO-CONVENER



WORLD  
FOOD  
FORUM



# ROLE OF CIRCULAR ECONOMY IN TRANSFORMATION OF FOOD SYSTEM



Circular  
Economy

**DATE**  
**26TH SEPTEMBER**  
**2021**  
**TIME**  
**3 PM WAT**  
**7.30 PM IST**



**DR SARADA MOHAPATRA**  
CSAYN INDIA  
CONVENER



**MR. NTIOKAM DIVINE**  
MD, GCSAYN  
CO-CONVENER







**WORLD  
ENVIRONMENT  
DAY 2022**



**Sweden  
Sverige**



**ONLY ONE EARTH CAMPAIGN**

**(VIRTUAL)**

**WORLD ENVIRONMENT DAY**

**(05.06.2022), 7 PM IST**

**ORGANIZED BY**

**DEPARTMENT OF BOTANY, NCAC, JAJPUR, ODISHA, INDIA & MO COLLEGE ABHIYAN, GOVT  
OF ODISHA, SUPPORTED BY STOCKHOLM +50, SWEDEN**

**GUEST SPEAKERS**

**WED- 2022 THEME**

**LIVING SUSTAINABLY  
IN HARMONY WITH NATURE**

**MODERATOR**

**ORGANIZERS**



**PROF.(DR.) CHAI CHING TAN**  
BANGKOK, THAILAND



**DOMENICO VITO**  
ROME, ITALY



**DR. KSHAN PRABHA SAHOO**  
DEPT OF BOTANY, NCAC



**PROF. F. M. MALLICK**  
PRINCIPAL



**PROF. A. K. SAMAL**  
COORDINATOR, MO COLLEGE



**DR. B. MOHAPATRA**  
DEPT OF BOTANY, NCAC



**DR. ULRICH BERK**  
GERMANY



**HEMLAL BHATTARAI**  
BHUTAN



**DR. OKOSODO E FRANCIS**  
ILARO, NIGERIA



**DR. BIKRAM MALLIK**  
DEPT OF BOTANY, NCAC



**SRI SATIKANTA SAHOO**  
DEPT OF BOTANY, NCAC



**DR. S. P. MOHAPATRA**  
DEPT OF BOTANY, NCAC, ORG.  
SECRETARY

## SPEAKERS(25.06.2021)



JOSEPHINE FAVRE, AAVF  
SWITZERLAND



PEO DIGKAKA  
BOSTWANA



DR BISWAJIT MOHAPATRA  
INDIA



HEMLAL BHATTARAI  
BHUTAN



RODOLFO DALDEGAN  
IICA, BRAZIL



JUDE INGEKE  
CAMEROON



DR KSHANPRAVA SAHOO  
INDIA  
(MODERATOR)



DR SARADA, CSAYN, INDIA  
CONVENER

## SPEAKERS(26.06.2021)



EPETI NDIVE  
CAMEROON



DR ASHWINI K DUBEY  
INDIA



PRAVEEN K REGMI  
NEPAL



CEDRIC HABIYAREMYE  
USA



SADIA LAKEHAL  
CANADA



NALA MULLER  
CONGO(DRC)



MARGARITA ASTRLANGA  
SPAIN  
(MODERATOR)



N.DIVINE, MD, GCSAYN  
CO-CONVENER



# SUSTAINABLE FOOD VALUE CHAIN AND RURAL DEVELOPMENT: STRIVE AGAINST POVERTY(SDG1)



DATE-  
9TH SEPTEMBER 2021

TIME-  
3 PM WAT  
7.30 PM IST

ORGANIZERS  
NARASINGH CHOUDHURY  
AUTONOMOUS COLLEGE, JAJPUR,  
ODISHA, INDIA, CSAYN, INDIA  
&  
GCSAYN



DR. SARADA MOHAPATRA  
CSAYN, INDIA  
CONVENER



MR. NTIOKAM DIVINE  
MD, GCSAYN  
CO-CONVENER



WORLD  
FOOD  
FORUM







## SCIENCE AND TECHNOLOGY AND FOOD SECURITY: A STEP TOWARDS GREENER REVOLUTION

**6TH JULY 2021**

**3 PM WAT**

**7.30 PM IST**



### NAME OF SPEAKERS

PROF CONSTANTINE, KENYA

MS BEVERLY BEST, IICA

MR GEORGE WENTHIENE, IICA

JOSPHINE FAVRE, AAVF

DR GARRY BURNISKEY, USA

DR SARADA PRASAD MOHAPATRA

### REG LINK

<https://forms.gle/3VB1ZCJMzTBMrZAWA>

### ZOOM LINK

[https://zoom.us/j/91371956232?](https://zoom.us/j/91371956232?pwd=K2g1bllabGJVb1ovVW9pSTFrHA5QT09)

[pwd=K2g1bllabGJVb1ovVW9pSTFrHA5QT09](https://zoom.us/j/91371956232?pwd=K2g1bllabGJVb1ovVW9pSTFrHA5QT09)







**THEME :ALTERNATIVAS  
AGROALIMENTARIAS DE  
DESARROLLO SOSTENIBLE EN EL  
PROGRAMA DE ALIMENTACIÓN  
ESCOLAR (PAE) EN COLOMBIA.**

**FECHA:** Jueves 26 de agosto del 2021

**TIEMPO:** 4:00 pm (COT)

**SEDE:** en línea/Virtual





**THEME: NATURE-BASED SOLUTIONS AS AN  
ENABLER TO TRANSFORMING THE BROKEN FOOD  
SYSTEMS BY 2030**

**DATE : 28 AUGUST 2021**

**TIME : 10AM WAT**

**VENUE : Community Development  
specialisation training school, Kumba**

