Dr. MONALISA DASH

Assistant Professor, Government Women's College, Sundargarh- 770001, Odisha,

India Phone: +919348409201, Email: monalisa.pihud@gmail.com

EDUCATION:

- Ph.D in Education, Utkal University with title "Effect of Flipped Learning on Mathematical Triarchic Abilities Among Secondary School Students" from Utkal University, 2021.

- Master of Science (M.Sc) in Mathematics, Berhampur University, 2018 with a First Division.

- P.G Diploma in Educational Technology (PGDET), IGNOU, 2017 with a First Division.

- Master of Education (M.Ed), Regional Institute of Education, National Council of Educational Research and Training, Utkal University, Odisha, 2015 with a First Division and Distinction.

- Bachelor of Education (B.Ed), Nabakrushna Chowdhury College of Teacher Education, Utkal University, Odisha, 2014 with a First Division and Distinction.

- Bachelor of Science (Honours) in Computer Science, Ramadevi Women's Autonomous College, Utkal University, 2006 with a First Division and Distinction.

AWARDS/ ACCOLADES:

- Awarded People's Choice Award on 27th October 2022 at Association for Educational Communications and Technology's Research and Theory Division Theory Spotlight Competition, USA.

- Awarded Best Research Paper Award on 18th September 2022 at National Annual Young Researchers' Meet by Maharaja Sayajirao University, Baroda, Gujarat for the research paper titled "A Concise Bibliometric Analysis of Flipped Learning".

- Awarded Certificate of Merit on 3rd April 2019 for occupying the highest position in the region under Regional Center Bhubaneswar in Post Graduate Diploma in Educational Technology Programme by Indira Gandhi National Open University (IGNOU)

- Awarded UGC- Junior Research Fellowship (JRF) 2016

- Awarded UGC- Junior Research Fellowship (JRF) 2015

PROFESSIONAL EXPERIENCE:

- Lecturer in Education, Brajrajnagar College, Jharsuguda, Odisha, October 2016- 2024.
- Teacher in Mathematics, Delhi Public School (DPS KALINGA), Cuttack, 2015- 2016.

REFEREED JOURNAL PUBLICATIONS:

- Marcelle, P., Arslan, O., Balogun, A., & Dash, M. (2024). A bibliometric exploration of infographics as tools for visual literacy in education. *Journal of Visual Literacy*, *43*(2), 173-195. **[UGC Care List -Group B & Scopus Indexed]**

- Allman, B., Kimmons, R., Dickson-Deane, C., Bozkurt, A., Warr, M., Stefaniak, J., Dash, M. & Bondah, F. E. (2024). EdTechnica: a vision of an educational publishing community of practice that is accessible, flexible, and just. *International Journal of Educational Technology in Higher Education*, *21*(1), 37. **[UGC Care List -Group B & Scopus Indexed]**

- Singhania, V., Mishra, R., Dash, M., & Mishra, D. (2023). Pedagogical Innovations and Challenges of Online Teaching: Assessing the Scenario at the UG Level in Rural Higher Education Institutions in India. In *Proceedings of the 9th International Conference on Education and Training Technologies* (pp. 1-7). [**Scopus Indexed**]

- Allman, B., Kimmons, R., Rosenberg, J., & Dash, M. (2023). Trends and topics in educational technology, 2023 edition. *TechTrends*, 67(3), 583-591. **[UGC Care List -Group B & Scopus Indexed]**

- Dash, M., & Panda, B.N. (2021). Implementation of Flipped Learning Strategy in Mathematics at a Secondary school in India: A Case Analysis. Scholarly Research *Journal for Humanity Science & English Language*, 9(43), 10926-10933

- Dash, M., & Panda, B.N. (2021). Effectiveness of Flipped Classroom on Practical Skills, Analytical Skills and Creative Skills of Students in Mathematics at Secondary School in India. *Scholarly Research Journal for Interdisciplinary Studies*, 8(65), 15202-15208

- Dash, M. (2021). The Flipped Learning Series: Flipped Learning for Math Instruction. *Turkish Online Journal of Distance Education*, 22(1), 246-249. Retrieved from https://dergipark.org.tr/en/pub/tojde/issue/58999/849914 **[UGC Care List -Group B & Scopus Indexed Journal]**

- Dash, M. (2020). The Why and How of ICT Integration in Teaching Mathematics: A Case Study. *Scholarly Research Journal for Humanity Science & English Language*, 7(24) pp. 59-64 (ISSN: 2349-9664)

- Panda, B. N., & Dash, M. (2019). Effectiveness of ICT Integrated Teaching in Developing Higher Order Thinking Skills Among Standard VIII Students in Science. *Journal of All India Association for Educational Research*, 31(1&2), 3-13 (ISSN: 0970-9827)

- Dash, M. (2019). Transforming an educational institute into learning organisation: an innovative strategy. *Pedagogy of Learning, 5*(1), 33-39. Available at: http://pedagogyoflearning.com E-ISSN: 2395-7344, P-ISSN: 2320-9526

- Dash, M. (2019). Systematic Planning for Integrating Ethics in a Flipped Science Classroom of Standard VIII. *Scholarly Research Journal for Interdisciplinary Studies*, 7(54), 14-20 (ISSN: 2278-8808)

- Dash, M., & Dash, P. (2017). Open Educational Resources in Quality Education: The Role of Teachers. *Journal of Educational Research*, Vol: 8(2), pp. 31-35 (ISSN: 0976-1160)

- Dash, M. (2017). Flipped Classroom Research: The Trends. *Proceedings of National Seminar on Designing the 21st Century Classroom*, Pillai College of Education and Research, New Panvel, pp. 51-58 (ISBN: 978-93-82626-46-6)

BOOK CHAPTERS

- Dash, M. (2024). Enhancing Learning: The Application of Intelligent Tutoring Systems in Classroom Settings. In R. Goswami, N. Maharana, & D. K. Behera (Eds.), *Mind and Machines: The Psychology of Artificial Intelligence*. Jyotikiran Publication, Pune.
- Bal, I. A., Duha, M. S. U., Arslan, O., Collier, J., Marcelle, P., Dolowitz, A., Bernhardt, J., Swanson, M., & Dash, M. (2023). The theory of learning in micro: Context & explanation. In B. Allman, H. Leary, & R. Kimmons (Eds.), *Theories to influence the future of learning design and technology* (pp. 41-58). EdTech Books. https://doi.org/10.59668/534.11963 **[International Publication]**
- Eppler, E. K., Dash, M., & Meador, M. (2023). Simplified Systems Thinking: The PPE Approach in Post-Pandemic Online Education. In M.E. Azukas & M. Kim (Eds.), *Reimagining Systems Thinking in a Post-Pandemic World* (pp. 192-223). IGI Global. **[International Publication]**

- Dash, M. (2023). Cone of Experience. In C.T. Miller, A.A. Pina, M.H. Molenda, P.L. Harris & B.B. Lockee (Eds.), *AECT at 100: A Legacy of Leadership* (pp. 136-144). Brill. https://doi.org/10.1163/9789004682580_010 **[International Publication]**

- Dash, M. (2023). NEP 2020 and Introduction of Contemporary Subjects in School. In S. Thomas (Eds.), NEP 2020: *A Roadmap to Self Reliant India- Prospects and Challenges* (pp. 41-52). The Bhopal School of Social Sciences.

- Dash, M. (2022). Raising Standards: Infusing Technology into 21st Century Teacher Education Programme. In B.C. Swain, S. S. Swain & R. Das (Eds.), *Teacher Education in 21st Century* (pp. 87-96). Kunal Books, New Delhi.

- Dash, M. (2022). The Basics of Digital Learning. In D.Patel (Eds.), *Emerging Trends in Educational Technology* (pp. 193-204). Kunal Books, New Delhi.

- Dash, M. (2021). Role of Higher Educational Institutions in Promoting Women for R&D: Opportunities and Challenges. In S. Pandit (Eds.), *Feminine Identity* (pp. 92-101). Urania Publishing House. **[International Publication]**

REFEREED CONFERENCE PRESENTATIONS:

<u>International</u>

- Dash, M., & Janakiraman, S. (2023). A Bibliometric Analysis on Competency-based Education across the Globe (2003-2022). Paper presented at the "AECT 100: Reflections and Transformations 2023" Conference held at Orlando, Florida, USA. Organized by AECT.

- Dash, M., & Eppler, E. K. (2023). A Bibliometric Analysis for Systems Thinking in Online Education. Paper presented at the "AECT 100: Reflections and Transformations 2023" Conference held at Orlando, Florida, USA. Organized by AECT.

- Marcelle, P., Arslan, O., Balogun, A., & Dash, M. (2023). The Applications of Infographics: A Bibliometric Analysis Paper presented at the "AECT 100: Reflections and Transformations 2023" Conference held at Orlando, Florida, USA. Organized by AECT.

- Dash, M., & Mutelo, S. (2023). Challenges faced by K-12 teachers during COVID-19: Voices from India and Namibia. Paper presented at the Annual Conference of the Education Association of South Africa (EASA) held at Conference Centre, Cape Town, South Africa. Organized by EASA.

- Singhania, V., Mishra, R., Dash, M., & Mishra, D. (2023). Pedagogical Innovations and Challenges of Online Teaching: Assessing the Scenario at the UG Level in Rural Higher

Education Institutions in India presented at the International Conference on Education and Training Technologies (ICETT), Macau, China. Organized by ICETT 2023 Conference Committee.

- Dash, M. (2022). Exploring the Effectiveness of Flipped Learning on Mathematical Triarchic Abilities Among Secondary School Students in India. Paper presented at the "Impacting Student Learning" Conference held at Las Vegas, Nevada, USA. Organized by AECT.

- Dash, M. (2018). Designing Virtual Learning Environments for Quality Enhancement of Higher Education in India. Paper Presented at the "Quality Enhancement of Higher Education in India & Changing Paradigm" Conference. Organized by Bilaspur University, Bilaspur.

- Dash, M. (2017). The Instructional Leadership Role of the Principal in Establishing 21st Century Classroom. Paper Presented at the "Excellence in Leadership: Towards Teacher Development in 21st Century" Conference. Organized by Regional Institute of Education, Bhubaneswar under the aegis of AIAER and IFORE.

National

- Dash, M. (2024). Modern Approaches to archiving the Indian Knowledge System using Information and Communication Technology. Paper presented at "From Roots to Heights: Integrating Indian Knowledge System into the Tapestry of Contemporary Education and Modern Practices" Conference. Organized by Central University of Jharkhand under the aegis of ICSSR.

- Dash, M. (2024). Artificial Intelligence as Teachers' Support: Navigating the Education Landscape. Paper presented at "AI Powered Education Reshaping Teaching and Learning" Conference. Organized by Guru Nanak College of Education, Dalewal, Punjab under the aegis of ICSSR.

- Dash, M. (2022). A Concise Bibliometric Analysis of Flipped Learning. Poster presented at Scholars Mosaic 2.0, National Annual Young Researchers' Meet. Organized by The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat.

- Dash, M. (2022). Nep 2020 And Introduction of Contemporary Subjects. Paper presented at the "NEP 2020: A Roadmap to Self-Reliant India-Prospects and Challenges" Conference. Organized by the Bhopal School of Social Sciences, Bhopal under the aegis of ICSSR.

- Dash, M. (2021). Tools, Strategies And Variants of Flipped Learning: A Guide for Implementation of Flipped Learning Approach In K-12 Context. Paper Presentation at the "Parenting, Schooling and Cognition" Conference. Organized by Govt. ETEI Baripada, DIET Mayurbhanj, Aliah University West Bengal and Brajrajnagar College, Brajrajnagar.

- Dash, M. (2020). Teaching for Mathematical Triarchic Abilities to Secondary School Students. Paper Presentation at the "9th Conference on Mathematics Education". Organized by Regional Institute of Education, NCERT, Bhopal.

- Dash, M. (2020). Quality Education for Future Generation of Emerging India. Paper Presentation at the "Emergence of New India in a Globalized World" Conference. Organized by Sambalpur University, Sambalpur.

- Dash, M. (2020). Role of Higher Education Institutions in promoting women for R&D: Opportunities and Challenges. Paper Presentation at the "Participation of Women in Research and Development in India-Focus on Odisha" Conference. Organized by L.N. College, Jharsuguda under the aegis of NCW.

- Dash, M. (2019). Integrating Ethics in a Flipped Science Classroom. Paper Presentation at the "Ethical Education in Present Scenario- Integration in the Curriculum" Conference. Organized by The Lord's Universal College of Education, Mumbai.

- Dash, M. (2019). Exploring Web Applications for Collaborative Learning to Enhance Quality in Teaching and Teacher Education. Paper Presentation at the "Trends, Issues and Challenges of Teacher Education Programmes in 21st Century" Conference. Organized by Department of Education, Sambalpur University, Sambalpur.

- Dash, M. (2019). Flipped Learning: An innovative Teaching-Learning Method for Quality Improvement of Higher Education. Paper Presentation at the "Quality Improvement of Higher Education" Conference. Organized by Prananath (Autonomous) College, Khorda (All Odisha Education Society)

- Dash, M. (2018). Flipped Learning Approach: Creating an Interactive Learning Environment in Teacher Education in India. Paper Presentation at the "Pedagogical and Assessment Issues in Teacher Education" Conference. Organized by Department of Education, Guru Ghasidas Vishwavidyalaya under the aegis of ICSSR.

- Dash, M. (2017). The Why and How of ICT Integration in Teaching Mathematics: A Case

Study. National Seminar on "ICT in School Education" Conference. Organized by Regional Institute of Education, Ajmer.

- Dash, M. (2017). Flipped Classroom Research: The Trends. National Seminar on "Designing the 21st Classroom" Conference. Organized by Pillai College of Education & Research, Mumbai under the aegis of ICSSR.

REVIEWER:

Proposals for AECT Conference, Orlando, Florida, USA, 2023

Proposals for ICETT Conference, Macau, China, 2023

Proposals for AECT Conference, Las Vegas, Nevada, USA, 2022

Proposals for AECT Conference, Chicago, USA, 2021

Proposals for AECT Conference, USA (Virtual), 2020

WORKSHOP/ WEBINAR/ CONFERENCE ORGANIZED:

- International Workshop in Orlando, USA on "Everyone can Design Microlearning! A Guide for Creating Informal Microlearning", 15th October, 2023.
- National Webinar on "Revised NAAC Accreditation Framework on Quality Enhancement", 18th January, 2021.
- National Conference on "Parenting, Schooling and Cognition", 10.01.2021 – 11.01.2021.
- National Webinar on "Decoding NEP 2020: A National Dialogue with Regional and Cultural Aspirations", 17.10.2020 – 18.10.2020.
- National Webinar on "Decoding NEP 2020. A Regional Dialogue in Odia", 13.10.2020 – 16.10.2020.
- National Webinar on "Startup Ecosystem in India", 20th September, 2020.
- National Online Workshop on "e-Teaching", 20th August, 2020.
- Departmental Seminar on "Indian Higher Education at the Crossroads: Issues and Way Forward" in Department of Education, Brajrajnagar College on 19 December 2017.

PROFESSIONAL DEVELOPMENT (ORIENTATION/ REFRESHER COURSES COMPLETED):

Certification (FLIPPED LEARNING GLOBAL INITIATIVE, USA)

- Flipped Learning 3.0 Differentiation Specialist Certification, 2020
- Flipped Learning 3.0 Lesson Planning Specialist Certification, 2020
- Flipped Learning 3.0 Certification Level – II Certification, 2019
- Flipped Learning 3.0 Certification Level – I Certification, 2018

<u>Orientation Programme</u>

- Awarded a certificate on successful completion of 18th Orientation Programme. Organized by Human Resource Development Centre, Guru Ghasidas Vishwavidyalaya, Bilaspur under the aegis of UGC, May 01-29, 2017.

<u>Refresher Course</u>

- Awarded a certificate on successful completion of Annual Refresher Program in Teaching (ARPIT) Course on "Online Refresher Course on Educational Research". Initiated by Ministry of Human Resource Development (MHRD) on MOOCs platform SWAYAM, November 01, 2018- February 28, 2019.

- Awarded a certificate on successful completion of Annual Refresher Program in Teaching (ARPIT) Course on "Online Refresher Course in Education (Concerns In Educational Research And Assessment)". Initiated by Ministry of Human Resource Development (MHRD) on MOOCs platform SWAYAM, October 01, 2019- January 15, 2020.

MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS:

- All India Association for Educational Research (**AIAER**), India

- The International Academic Forum (**IAFOR**), Japan.

- Association for Educational Communications and Technology (**AECT**), USA.

- American Psychological Association (**APA**), USA.