

## PERSONAL PROFILE

1.Name: Dr Sanjaya Kumar Behera

2. Designation: Jr Lecturer in Mathematics

3. Qualification: M. Sc, Ph. D

4. Date of Joining: 24<sup>th</sup> Oct-2016

5. Date of Birth: 20<sup>th</sup> March-1980

### 6. Publications:

1.S.K. Behera, J.R. Nayak, "Solution of Multi-objective mathematical programming problems in fuzzy approach", International Journal on Computer Science and Engineering, Vol-3(issue-12), pp-3790-3799, 2011, ISSN.0975-3997

2. S.K. Behera, J.R. Nayak, "Optimal solution on fuzzy non linear programming problems with linear constraints", International Journal of Advances in Science and Technology, Vol-4, no-2,pp. 43-51,2012. ISSN. 2229- 5216

3. S.K. Behera, J.R. Nayak, "Optimality Criteria for fuzzy Pseudo Convex Functions", Indian Journal of Science and Technology, Vol-7(7), pp. 986-990,2014, ISSN-0974-6846

4. S.K. Behera, B. Nayak, "A new approach for finding an optimal solution for Transportation Problems", International Journal of Applied Engineering Research, Vol-9(21), pp.8565-8573, 2014, ISSN. 0973-4562.

5. S. Panda, S. Dash, S.K. Behera, G.P. Mishra, "Delta-doped tunnel(D-TFET) to improve current ratio ( $I_{ON}/I_{OFF}$ ) and ON-current performance", Journal Computational Electron, Vol-15, pp.857-864, 2016, ISSN.1572-8137.

6. P.K. Sahoo, S.K. Behera, J.R. Nayak, "Solution of Fuzzy transportation problem by using ranking function", Advanced Science Letters, Vol-22(2), pp.564-566, 2016, ISSN.1936-6612.

7. B. Mallia, S.K. Behera, "A new algorithm to solve fuzzy transportation problem using ranking function", International Journal of Mathematics Trends and Technology, Vol-67(5), pp.168-174, 2021, ISSN.2231-5373.

8.S.K.Behera, A. Mallick, N. Das, "Performance analysis of Heuristic Optimization Algorithm for Transportation Problem", METASOFT 2022 AISSE 1, PP.1-9, 2022, ISSN.2731-6033.

### 9. Book Chapter:

1. S.K. Behera, J.R.Nayak, "Sensitivity analysis of fuzzy linear programming",Modelling and Applications in Operations Research,chapter-09,2023, ISBN:9781003462422.

### 7. Teaching experience: 20years 10months

1. Lecturer in Mathematics, Eastern academy of Science and Technology, Bhubaneswar, 16<sup>th</sup> sept-2003 to 30<sup>th</sup> April-2007

2. Sr Lecturer in Mathematics , Gandhi Institute for Technological Advancement, Bhubaneswar, 1<sup>st</sup> May-2007 to 24<sup>th</sup> July-2009

3. Assistant Professor in Mathematics, Institute of Technical Education and Research, Bhubaneswar, 25<sup>th</sup> July-2009 to 22<sup>nd</sup> oct-2016

4. Jr Lecturer in Mathematics, Govt. Women's College, Sundargarh, 24<sup>th</sup> Oct-2016 to till now

### 8. Specialization: Fuzzy optimization, Complex Analysis, Linear Algebra

9. Seminar/ Conference :

1. Participated in UGC sponsored Instructional Conference on Mathematical Methods in Science and Engineering Computation at P.G. Dept of Mathematics ,Utkal University from 18-25 February 2007 .
2. Participated in UGC sponsored Instructional Conference on Mathematical Techniques in Computer at P.G. Dept of Mathematics, Utkal University from 25-30 March 2007 .
3. Participated and presented a paper entitled “Multi objective Non-convex Programming with fuzzy approach” in 35<sup>th</sup> session of O.M.S. held at S.B. Women’s College, Cuttack on 2<sup>nd</sup> and 3<sup>rd</sup> February-2008.
4. Participated in 11<sup>th</sup> Annual Convention of ISTE Orissa Section and National Seminar on Technical Education for Growth of Indian Economy held on 3<sup>rd</sup> February -2009 held at GITA, Bhubaneswar.
5. Participated in 37<sup>th</sup> Annual Conference of Orissa Mathematical society and National Seminar 2010 held at Indira Gandhi Institute of Technology, Sarang on 6<sup>th</sup> and 7<sup>th</sup> February-2010.
6. Participated in 38<sup>th</sup> Annual Conference of Orissa Mathematical society and National Seminar 2011 held at Institute of Technical education and Research on 8<sup>th</sup> and 9<sup>th</sup> January-2011.
7. Participated in 39<sup>th</sup> Annual Conference of Orissa Mathematical society and National Seminar on Cryptography held at Vivekananda Institute of Technology, Bhubaneswar on 4<sup>th</sup> and 5<sup>th</sup> February-2012.
8. Participated in National workshop on Differential Equations and applications at Dept of Mathematics, Institute of Technical education and Research , Siksha ‘O’ Anusandhan University, Bhubaneswar on 1<sup>st</sup> and 2<sup>nd</sup> December-2012.
9. Participated and presented a paper entitled Solution of fuzzy transportation problem using ranking function in National seminar of 17<sup>th</sup> Odisha Bigyan Congress held at Siksha ‘o’ Anusandhan University, Bhubaneswar on 5<sup>th</sup>-6<sup>th</sup> December-2014.
10. Participated in 41<sup>st</sup> Annual Conference of Orissa Mathematical society and International conference on Industrial Mathematics and Scientific Computing held at KIIT University, Bhubaneswar on 4<sup>th</sup> and 5<sup>th</sup> January-2014.
11. Participated in the one day workshop on Queuing Theory and optimization: Computational Aspects and Applications on 5<sup>th</sup> March-2015 held at School of Basic Sciences, IIT Bhubaneswar.
12. Participated in 42<sup>nd</sup> Annual Conference of Orissa Mathematical society and National Seminar on Uncertain Programming held at Vyasnagar Autonomus College, Jajpur on 7<sup>th</sup> and 8<sup>th</sup> February-2015.
13. Participated in 48<sup>th</sup> Annual Convention of Operational research Society of India and International Conference held at Siksha ‘O’ Anusandhan University, Bhubaneswar on 17-19<sup>th</sup> December-2015
14. Participated in 43<sup>rd</sup> Annual Conference of Orissa Mathematical society and National Seminar on Application of Computational Techniques to Real world Problems held at Indus College of Engineering , Bhubaneswar on 16<sup>th</sup> and 17<sup>th</sup> February-2016.
15. Participated and Convenor in National Seminar on Widening Horizon of Research Methodology held at Govt. Women’s College, Sundargarh on 10<sup>th</sup> and 11<sup>th</sup> December-2022.
16. Participated in National Workshop held at Govt. Women’s College ,Sundargarh on 16<sup>th</sup> and 17<sup>th</sup> march-2024.

17. Resource person in SOAWAL series of webinars of Siksha 'O' Anusandhan University, Bhubaneswar to delivered on "Golden section Method-Engineering Computing" on 16-10-2021.

10. Extra Curricular Activities assigned:

- a. Account Bursar,+2
- b. I/C ,Examination,+2
- c. Dy Supervisor, EMH,+2
- d. Academic Bursar,+2
- e. Admission I/C, +2
- f. Adminstative Bursar, +2
- g. Member, UGC

11. Awards:

National Scholarship session 200-2001 from Utkal University, Bhubaneswar for academic excellence.