

Name : Dr. Suryakanta Pal
Designation: Assistant Professor (Stage-I)

Department: Mathematics

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Educational Qualification: M. Sc., M. Phil., NET, Ph.D.

Specialization: Numerical Analysis, Cellular Automata, Complex Analysis

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Teaching Experience: 9 years



Publications:

1. **S. Pal**, S. Sahoo, B. K. Nayak, 2012, "Properties of Carry Value Transformation", International Journal of Mathematics and Mathematical Sciences", Vol. 2012, Article ID:174372, DOI:10.1155/2012/174372.
2. **S. Pal**, S. Sahoo, B. K. Nayak, 2019, "Deterministic Computing Techniques for Perfect Density Classification", International Journal of Bifurcation and Chaos, 29 (5):1950064, DOI: 10.1142/S0218127419500640.
3. **S. Pal**, S. Sahoo, B. K. Nayak, 2021, "Construction of One-dimensional Non-Uniform Number Conserving Elementary Cellular Automata Rules", International Journal of Bifurcation and Chaos, 31(5): 2150072, DOI:10.1142/S0218127421500723.
4. S. Sahoo, **S. Pal**, P. Panda, S. Dutta, 2018, "Study of Monotonic and Number Conserving Cellular Automata Rules Over a Space of Higher Cardinality: A Programming Approach", Proceedings of the National Seminar on Recent Advances in Mathematics, Calcutta, ISBN: 978-613-9-82486-1.
5. **S. Pal**, S. Sahoo, B. K. Nayak, 2020, "Study of Number Conserving Cellular Automata Rules through Integral Value Transformations", Mathematical Forum, Vol. 28(1), 2020, ISSN: 0972-9852.
6. S. Sahoo, S. Das, **S. Pal**, 2020, "Patterns using Variations of Cellular Automata and Integral Value Transformations", International Conference on Advances in Computing, Communication & Materials (ICACCM), Dehradun, India, DOI: 10.1109/ICACCM50413.2020.9212925.
7. S. Sahoo, **S. Pal**, R. K. Rout, 2020, "Visual Effects of Second Order Recurrence Equations through Space-Time Diagrams", International

Conference on Industrial and Manufacturing Systems (CIMS-2020), NIT, Jalandhar, India.

8. **S. Pal**, S. Sahoo, 2021, "Properties of Monotonic Integral Value Transformations", 48th Annual Conference of Odisha Mathematical Society, Institute of Mathematics and Applications, Bhubaneswar, India.

Seminars/ Conferences Attended:

- Participated in 35th Annual conference of O.M.S on 2nd & 3rd February, 2008 at Dept. Mathematics, S.B. Women's college, Cuttack
- Participated in 36th Annual conference of O.M.S on 7-th & 8-th February, 2009 at IMA, Andharua, Bhubaneswar.
- Participated in National seminar on "Probability & Analysis" on 11th and 12th February, 2009 at IMA, Andharua, Bhubaneswar.
- Participated in 38th Annual conference of O.M.S on 8-th & 9-th January 2011 at SOA University, Bhubaneswar.
- Participated in National Seminar on "optimization technique and its application" on 16th and 17th December, 2011 at Trident Academy of Technology, Bhubaneswar.
- Participated in 99-th Indian Science Congress from 3rd to 7-th January 2012 at KIIT University, Bhubaneswar.
- Participated in 41-th Annual Conference of OMS on "Industrial Mathematics and Scientific computing" on 4th and 5th January 2014 at KIIT University, Bhubaneswar.
- Participated in Two week main workshop on Fluid Mechanics from 20th to 30-th May 2014 at Silicon Institute of Technology, Bhubaneswar.
- Participated in workshop on "Scientific Document Preparation Using Latex" on 28-th and 29-th December-2015 at Silicon Institute of Technology, Bhubaneswar.
- Participated in 44th Annual conference of O.M.S on 31st March & 1st April, 2017 at Department of Mathematics, Ravenshaw University, Cuttack.

Workshop/ Training/ Orientation Programme / FDP/ Refresher Course:

1. Participated in Induction Training programme from 16th to 29th Oct-2017 at North Orissa University, Baripada vide order number 25069/HE dated 22.09.2017.

2. Attended online two week interdisciplinary refresher course in “ADVANCED RESEARCH METHODOLOGY” from Dt. 22.08.2023 to Dt. 05.09.2023 organized by TLC, Ramanujan College, University of Delhi

3. Attended online two week refresher course in “APPLICABLE MATHEMATICS” from Dt. 26.07.2022 to Dt. 08.08.2022 organized by TLC, Ramanujan College, University of Delhi.

4. Attended 4 week Orientation Programme from Dt. 20.09.2022 to Dt. 19.10.2022 organized by TLC, Ramanujan College, University of Delhi

Administrative Assignments:

1. HOD of Mathematics

2. OIC, Time table,

3. OIC, UDISE