

CURRICULUM VITAE

Name: Dr. Nirmal Chandra Rout

Position: Assistant Professor

Address: PG Department of Mathematics,
Bhadrak Autonomous College, Bhadrak

Area of Research: Operator Theory

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Education:

Sl. No	Degree	University/Institution	Discipline	Year of completion
1	Bachelor's degree	Fakir Mohan Autonomous College, Balasore	Mathematics	2010
2	Master's degree	Utkal University, Vanivihar	Mathematics	2012
3	M.Phil.	Utkal University, Vanivihar	Mathematics	2013
4	Ph.D.	National Institute of Technology Raipur	Mathematics	2022

Ph.D. thesis title: Numerical radius inequalities of operators and tensors

Institute: National Institute of Technology Raipur

Awards/ Achievements:

- Qualified Graduate Aptitude Test in Engineering (GATE-2015 & GATE-2018)
- Qualified JRF & NET in the joint CSIR-UGC test in 2017
- Received "Best paper presentation award" in the National Conference on "Recent Developments in Data Science" & 51st Annual Conference of Odisha Mathematical Society organized by Department of Mathematics Fakir Mohan University, Orissa during 2nd & 3rd March, 2024.

Teaching Experience

Sl. No	Position held	Name of the Institute	Joining	held Up to
1	Lecturer	Government Polytechnic Mayurbhanj	15.10.2015	31.08.2023
2	Assistant Professor (Stage-I)	Autonomous College, Bhadrak	01.09.2023	Till Date

Publications:

1. S. Sahoo, **N. C. Rout**, M. Sababheh, *Some extended numerical radius inequalities*, Linear Multilinear Algebra **69** (2021), 907–920. <https://doi.org/10.1080/03081087.2019.1698510>
2. S. Sahoo, N. Das, **N. C. Rout**, *On Berezin number inequalities for operator matrices*, Acta Mathematica Sinica English series **37** (2021), 873–892. <https://doi.org/10.1007/s10114-021-9514-6>
3. **N. C. Rout**, S. Sahoo, D. Mishra, *Some A-numerical radius inequalities for semi-Hilbertian space operators*, Linear Multilinear Algebra **69** (2021), 980-996. <https://doi.org/10.1080/03081087.2020.1774487>
4. **N. C. Rout**, S. Sahoo, D. Mishra, *On A-numerical radius inequalities for 2×2 operator matrices*, Linear Multilinear Algebra **70**(14) (2022), 2672–2692. <https://doi.org/10.1080/03081087.2020.1810201>
5. S. Sahoo, **N. C. Rout**, *New upper bounds for the numerical radius of operators on Hilbert space*, Adv. Oper. Theory, **7** (2022), no. 4, Paper No. 50, 20 pp. <https://doi.org/10.1007/s43036-022-00216-y>
6. **N. C. Rout**, K. Panigrahi, D. Mishra, *A note on numerical ranges of tensors*, Linear Multilinear Algebra, **71** (2022), 2645-2669. <https://doi.org/10.1080/03081087.2022.2117771>
7. **N. C. Rout**, *Further results on A-numerical radius inequalities*, Annals of Functional Analysis, **13** (2022). <https://doi.org/10.1007/s43034-021-00156-3>

Conferences attended:

SI. No	Detail (Place, Role, Title, Date)
01	Delivered a talk entitled “Numerical radius inequalities for operator matrices” on National Conference on Application of Mathematics in Science and Engineering Organized by NIT Raipur on 21 st January, 2018.
02	Delivered a talk entitled “Some A-Numerical radius inequalities for Semi-Hilbertian space operators” on the International Conference on Advanced Mathematical Analysis and its Applications ICAMAA)-2020, organized by Department of Mathematics, Berhampur University, during 4 th to 5 th February, 2020.
03	Delivered a talk entitled “A Study on Numerical Radius Inequalities for Semi-Hilbert Space Operators” on the National Conference on “Recent Developments in Data Science” & 51 st Annual Conference of Odisha Mathematical Society organized by Department of Mathematics Fakir Mohan University, Orissa during 2 nd & 3 rd March, 2024.
04	Participated in the “Six day National Webinar on Applications of Mathematics” conducted by Department of Mathematics, KPRIET, held from 6 th to 11 th July 2020.
05	Participated in the online conference titled “Virtual Math Fest 2020” organized by ISI Kolkata, IMSC, Chennai and HRI, Allahabad during 20 th to 26 th July 2020.
06	Participated in the “International Webinar on Recent Trends in Geometric Function Theory and Application-2020” organized by KIIT Deemed to be University, Bhubaneswar during 18 th to 21 st September 2020.
07	Participated in the National Seminar (Web) on “Ancient Indian Education System” organized by NITTTR Kolkata During 11 th and 12 November 2020.

* *Please strikeout wherever necessary and missing details can be added below.*