



Dr. Chinmayee Padhy

Name : Chinmayee Padhy

Designation : Sr. Assistant Professor

Department : Basic Science and Humanities
(Mathematics)

(JOINED THE INSTITUTE IN 20TH JUNE 2022)

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RESEARCH INTERESTS

- Function Spaces
- OPERATOR THEORY

Academic Qualifications

- Ph.D. (Mathematics) VSSUT, Burla, Odisha, India
- M.Phil. (Mathematics) Utkal University, Odisha, India

Teaching Experience/ Industrial Experience/ Research Experience

Teaching Experience – 17 years

Research Experience – 6 years

PUBLICATIONS

JOURNALS

1. **Chinmayee Padhy**, Pabitra Kumar Jena and S.K. Paikray, **Aluthge transform of Operators on the Bergman Space**, *Arabian Journal of Mathematics*, Vol. 9, 645-651, 2020
2. **Chinmayee Padhy**, Pabitra Kumar Jena and S.K. Paikray, **Unitariness of operators**, *Miskolc Mathematical Notes*, Vol. 22 no. 2, 831-840, 2021.
3. **Chinmayee Padhy**, Pabitra Kumar Jena, S.K. Paikray and H. Dutta, **Unitary operators on the Bergman space**, *Advances in Intelligent Systems and Computing*, Vol. 1111, 279-306, 2020
4. **Chinmayee Padhy**, Pabitra Kumar Jena, S.K. Paikray, **Operator matrices on the Bergman space**, *Filomat*, Vol. 36(10), 3311-3320, 2022.
5. Pabitra Kumar Jena, **Chinmayee Padhy** and S. Das, **Certain Operator Solutions To Fermat's Type Equation On Bergman Spaces**, *Mathematical Foundations of Computing*, Doi: [10.3934/mfc.2024005](https://doi.org/10.3934/mfc.2024005).

Book Chapters

1. **Padhy, C.**, Jena, P.K., Paikray, S.K. A Study on Range and Kernel of Toeplitz and Hankel Operators on the Bergman Space. In: Mohiuddine, S.A., Das, A., Djordjević, D.S. (eds) Positive Operators and Fixed-Point Theorems with Applications. Industrial and Applied Mathematics. Springer, Singapore. https://doi.org/10.1007/978-981-96-2476-8_8.
2. Acharya, P.K., Mahapatra, P. P., **Padhy, C.**, Environmental Awareness Among Elderly People of Western Odisha, India's Elderly Issues and Perspectives, Cambridge Scholars Publishing. ISBN: 978-1-0364-5001-4. June 2025.

CONFERENCE PAPERS PRESENTED

1. National conference on Advances in mathematics and its Applications-2017 sponsored by Ravenshaw University, Cuttack, Odisha. Department of Mathematics,
2. International Conference in Mathematics-2017 held at Providence College for Women, Coonoor, TamilNadu, organized by IRMF.
3. International Conference **on Advanced Mathematical Analysis and its Application-2020** organized by Department of Mathematics, Berhampur University, Ganjam, Odisha.
4. International Conference on **advances in Mathematics and Computing 2020** organized by Department of Mathematics, VSSUT, Burla, Odisha.
5. 5 days UHV-FDP From 21st August to 25th August 2023 organized by AICTE
6. National Conference on **"The Role of Mathematics in Emerging Technologies-2024" (NCRMET-2024)** organized by Department of Basic Science and Humanities and School of Sciences, GIET University, Gunupur on 21st December.
7. **Dr. Chinmayee Padhy** attended a workshop on 'Latest Developments in Scientific Publishing Landscape & Publishing Ethics' organised by Elsevier in collaboration with OSHEC on 21st November 2024.
8. 6 days ATAL FDP on **"Futuristic Trends in Intelligent and Distributed Computing: Insights, Implementation and Applications"** from 16th to 22nd January 2025, organized by the Department of CSE, VSSUT BURLA, SAMBALPUR – 768018

9. International Conference on **Pure and Applied Mathematics-2025** organized by Department of Mathematics, Berhampur University, Odisha, India on 13th and 14th February.
10. **Dr. Chinmayee Padhy** presented a paper titled "Core Inverse Of Toeplitz Operators" in the 4th International Conference on "Applied Mathematics in Science and Engineering (AMSE-2025)" organized by ITER, Siksha 'O' Anusandhan Deemed to be University Bhubaneswar in collaboration with National Institute of Technology, Arunachal Pradesh from 28th to 30th August 2025.
11. **Chinmayee Padhy** presented a paper titled "On Special Classes of 2x2 Operator Matrices in Hilbert Spaces" in the National Conference on "**The Role of Mathematics in Emerging Technologies**" organised by the Department of Mathematics, GIET University, Gunupur on 10th and 11th January 2026.