Dr. Pabitra Kumar Jena,
Assistant Professor.

Curriculum Vitae

CONTACT INFORMATION	**Present Address**: P.G. Department of Mathematics, Berhampur University, Bhanja Bihar, Berhampur-760007, Ganjam, Odisha.	Mobile:-09861841738
		pabitramath@gmail.com
	Permanent Address: At: Khatisahi, P.O: Chilika Nuapada, Dist: Puri, Odisha, India, Pin-752011.	

RESEARCH INTERESTS — Functional Analysis, Operator Theory.

ACADEMIC QUALIFICATION

Name of the Exam./ degree	Board/college/ Univ.	class/Percentage	year	subject
PDF(2 years)	Institute of Maths. and Appl.		2014	Maths
Ph.D.	Utkal University		2014	Maths.
M.Phil.	Utkal Univ.	First(75.75)	2007	Maths.
M. Sc.	Utkal Univ.	First(65.5)	2005	Maths.
B. Sc. (Hons.)	Utkal Univ.	First(75.25) (Hons.) with Distinction	2003	Maths. (Hons.)

REFEREED JOURNAL PUBLICATIONS

1. P. K. Jena and **M. M. Soren**, Equality of bounded linear operators on the Bergman space, **Research Journal of Berhampur University**, Accepted.

2. P. K. Jena and **M. M. Soren**, Isometric Aluthge transform and Toeplitz operators, **Journal of Applied Mathematics and Statistical Analysis**, Vol. 4, No. 2 (2023), 30-42.

3. Chinmayee Padhy , **Pabitra Kumar Jena**, Susanta Kumar Paikray, Operator Matrices on the Bergman space, **Filomat**,36(10), 2022.

4. Chinmayee Padhy , **Pabitra Kumar Jena**, Susanta Kumar Paikray, Unitariness of Operators, **Miskolc Mathematical Notes**,22(2), 831-840,2021.

5. Chinmayee Padhy , **Pabitra Kumar Jena**, Susanta Kumar Paikray and Hemen Dutta, Unitary operators on the Bergman Space, **International Conference on Computational Mathematics and Engineering Sciences**(CMES-2019), Vol. 1111, 299-306.

6. Chinmayee Padhy , **Pabitra Kumar Jena** and SK Paikray, Aluthge transform of operators on the Bergman Space, **Arabian Journal of Mathematics(SPRINGER)**, 2019, 1-7.

7. **Pabitra Kumar Jena**, Sufficient conditions on nonunitary operators that imply the unitary operators,**Turkish Journal of Mathematics**, 41(2), 2017,361-367.

8. Namita Das and **Pabitra Kumar Jena**, Little Hankel Operators on the Bergman Space, **Arab Journal of Mathematical Sciences(ELSEVIER)**,Vol. 22(1) 2016, 77-85.

9. Namita Das and **Pabitra Kumar Jena**, On the range and kernel of Toeplitz and little Hankel operators, **Methods of Functional Analysis and Topology**, Vol. 19, no. 1, 2013, 55-67.

10. Namita Das and **Pabitra Kumar Jena**, Schatten class operators on weighted Bergman spaces, **Thai Journal of Mathematics**, Volume 10 (2012) Number 2 : 289 - 303.

11. Namita Das and **Pabitra Kumar Jena**, Hankel operators with vector valued symbols on the Hardy space, **Vietnam Journal of Mathematics (SPRINGER)**, Volume(38) (1) (2010), 45-54.

12. Namita Das and **Pabitra Kumar Jena**, Hankel operators on the Bergman space for the disk, **Journal of Orissa Mathematical Society**,Volume 29, No. 1 and 2(2010), 17-25.

13. Namita Das and **Pabitra Kumar Jena**, Asymptotic Properties of Composition operators on the Bergman space, **New Zealand Journal of Mathematics**, Volume 39(2009), 215-239.

AWARDS

- CSIR NET-2013.

- GATE-2012.

- NBHM Post-doctoral fellowship, 2014.

PAPER PRESENTED

National Seminar on Contemporary Progress in Mathematics (NSCPIM-2023)
- Core inverses of operator matrices, at P.G. Department of Mathematics, Berhampur University, Bhanja Bihar, Ganjam, Odisha. 19-20 Oct 2023

International Webiner on Advances in Mathematical Sciences
- Average Aluthge transform of Operators on the Bergman Space, at Department of Mathematics, West Bengal State University, Barasat, Kolkata, W.B. 30-31 March 2023

National Seminar on Recent Innovations in Advanced Mathematics (NSRIAM-2023)
- Unitary operator matrices on the vector valued Bergman Space, at P.G. Department of Mathematics, Berhampur University, Bhanja Bihar, Ganjam, Odisha. 25-26 March 2023

International Webiner on Recent trends in Mathematical Theory and Applications
- Operator matrices on the Bergman Space, at Department of Mathematics, West Bengal State University, Barasat, Kolkata, W.B. 14-15 Dec 2022

International Conference of International Academy of Physical Sciences on Convergence of Computing, Statistics and Operations-Empowering Youth for Substaintial Future (CONIAPS XXVI)

- Little Hankel operators on the Bergman Space, at Vijayanagara Sri Krishnadevaraya University, Ballari, Karnataka, India. 18-20 Dec 2020

International Conference on Advanced Mathematical Analysis and its Applications
- A note on Range and Kernel of Toeplitz and little Hankel operators on the Bergman Space, at P.G. Department of Mathematics, Berhampur University, Bhanja Bihar, Ganjam, Odisha. 4-5 Feb 2020

International Conference on Advances in Mathematics and Computing
- A note on nonunitary operators on the Bergman Space, at Department of Mathematics, Veer Surendra Sai University of Technology, Burla, Sambalpur, Odisha. 7-8 Feb 2020

International Conference(Online) on Recent Trends in Mathematics and its Applications to Graphs, Networks and Petri Nets
- A note on unitary operators on the Bergman Space, at School of Computational and Integrative Sciences, JNU, New Delhi and Vijnana Parishad of India. 20-24 July 2020

National Seminar on Mathematical Analysis and Computing and Annual Conference of Odisha Mathematical Society
- Toeplitz and Hankel operators on the Bergman Space, at National Institute of Science and Technology(Autonomous), Berhampur, Odisha. 15-16 Feb 2020

National Conference on Analysis and its Application
- Asymptotic Properties of Hankel operators on the Hardy space, at P.G. Department of Mathematics, Utkal University, Vani Vihar, Bhubaneswar. March 2012

CONFERENCES/WORKSHOP
ATTENDED
- National Conference on Analysis and its Application-2012 sponsored by UGC held at P.G. Department of Mathematics, Utkal University, Vani Vihar, Bhubaneswar.

- National Seminar on Cryptography-2013 held at Vivekananda Institute of Technology (VIVTECH), Bhubaneswar.

- International Conference on Industrial Mathematics and Scientific Computing-2014 held at Department of Mathematics, School of Applied Science, KIIT University, Bhubaneswar.

- National Seminar on Analysis and its Application-2015 sponsored by UGC held at P.G. Department of Mathematics, Utkal University, Vani Vihar, Bhubaneswar.

- International Conference on Computational Intelligence in Data Mining-2014 held at Veer Surendra Sai University of Technology(VSSUT), Burla, Sambalpur, Odisha.

- National Seminar on Recent Advancement in Material Science-2014 held at Veer Surendra Sai University of Technology(VSSUT), Burla, Sambalpur, Odisha.

- National Seminar on Computational and Mathematical Engineering-2018 held at Department of Mathematics, Parala Maharaja Engineering College, Berhampur, Ganjam-761003, Odisha.

TRAINING
PROGRAM
ATTENDED
- 2 weeks Refresher Course under Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching at TLC & Department of Mathematics, Ramanujan College, University of Delhi, 01 Sept 2023 to 14 Sept 2023.

- 2 weeks Refresher Course sponsored by UGC-HRDC, held at University of North Bengal, Raja Rammohunpur, Darjeeling, W.B.,01 Jan 2021 - 21 Jan 2021.

- 4 weeks Online Induction/Orientation Programme sponsored by MHRD,India and PMMMNMTT held at Teaching Learning Centre, Ramanujan College, University of Delhi, 01-30 Sept 2020.

- 2 weeks Online Faculty Development Programme on "Managing online classes and co-creating MOOCS 3.0" sponsored by MHRD,India and PMMMNMTT held at Teaching Learning Centre, Ramanujan College, University of Delhi, 25 July - 10 Aug 2020.

- 2 weeks Online Faculty Development Programme on "Quantitative methods for Data analysis " sponsored by MHRD,India and PMMMNMTT held at Teaching Learning Centre, Ramanujan College, University of Delhi, 12-25 Aug 2020.

INVITED TALKS

- Short Term Training Programme on "Current Trends in Applied Mathematics: Applications and Future Aspects" organized by Department of Mathematics, National Institute of Technology, Raipur, from 06.07.2015 to 10.07.2015.

TEACHING EXPERIENCE

- May 2012- May 2014 (B.Sc and M.Sc Students) at Institute of Mathematics and Applications, Andharua, Bhubaneswar-751003.

- June 2014- Nov 2017 (B.Tech and M.Sc Students) at Veer Surendra Sai University of Technology(VSSUT), Burla, Sambalpur-768018.

- Nov 2017 - till date (M.Sc Students) at Berhampur University, Bhanja Bihar, Berhampur, Ganjam-760007.

M.SC GUIDANCE

- Santosh Kumar Bej, Regd No. 14050049, Topic: A study on two dimensional Burger's equation using finite difference method and its applications in modelling geophysical flows, (2014-2016) at Veer Surendra Sai University of Technology(VSSUT), Burla, Sambalpur-768018.

- Umasankar Sahu, Regd No. 15050042, Topic: A study on normal Aluthge transform of operators on Hilbert spaces, (2015-2017) at Veer Surendra Sai University of Technology(VSSUT), Burla, Sambalpur-768018.

M.PHIL GUIDANCE

- Ganapati Mishra, Regd No. 15080004, Topic: Operator inequalities and Equalities on the Bergman space, (2015-2016) at Veer Surendra Sai University of Technology(VSSUT), Burla, Sambalpur-768018.

PH.D GUIDANCE

- Chinmayee Padhy(Awarded), Regd. No. 1610130003, Title of Ph.D thesis: Operators on function spaces at Veer Surendra Sai University of Technology(VSSUT), Burla, Sambalpur-768018.

COURSES TAUGHT	• Real Analysis, Differential Equation, Vector Calculus, Linear Algebra, Fourier Analysis, Analysi-IV, Algebra-III, Complex Analysis, Calculus-II and Mathematical Finance at Undergraduate level.
	• Measure Theory and Integration, Complex Analysis, Ordinary differential equations at Postgraduate level and Problem solving in M.Phil.

ADMINISTRATIVE AND ACADEMIC RESPONSIBILITIES

◇ Coordinator, Dept. of Mathematics, B.U. from June 2023 to till date.

◇ Member of DRC in Mathematics, Berhampur University, Bhanja Bihar.

◇ Member of board of studies in Mathematics 2020-21, Berhampur University, Bhanja Bihar.

◇ Assistant Superintendent, Nagabali Boys Hostel, B.U. from June 2018 - May 2020.

◇ Teacher-in-Charge of Admission, Dept. of Mathematics, B.U.

◇ Teacher-in-Charge of Library, Dept. of Mathematics, B.U.

◇ Teacher-in-Charge of Seminar, Dept. of Mathematics, B.U.

◇ Member of the Board of Conducting Examiners for Mathematics, Berhampur University, Bhanja Bihar.

◇ Member of criteria-4 of NAAC, IQAC, Berhampur University.

◇ Organized an International Conference on Advanced Mathematical Analysis and its Applications (ICAMAA-2020) as an **Joint-Organizing Secretary** on 04-05 Feb 2020.

◇ Organized a National Seminar on Recent Innovations in Advanced Mathematics (NSRIAM-2023) as an **Co-Organizing Secretary** on 25-26 March 2023.

◇ Organized a National Seminar Contemporary Progress in Mathematics (NSCPIM-2023) as a **Organizing Secretary** on 19-20 Oct 2023.

MEMBERSHIP IN PROFESSIONAL BODIES

• Orissa Mathematical Society (Life Member).

• Indian Science Congress Association (Life Member).

• International Association of Engineers (Member).

• Indian Mathematical Society(Life Member).

PROFESSIONAL AFFILIATIONS AND SERVICES

Referee Duty (Journals):

◇ Journal of inequalities and applications

◇ Journal of function spaces

◇ Turkish journal of Mathematics

◇ Asian journal of Science and Technology

◇ Qeios

◇ Journal of New Theory

ADDITIONAL
INFORMATION

- Title of the Ph.D thesis: Operators on the Bergman space.
- Ph.D Advisor: Prof. Namita Das (Retd.), Utkal University, Vani Vihar, Bhubaneswar.
- Nationality: Indian.

Pabitra Kumar Jena