

Krushnachandra Panigrahy

Scopus ID: 57203531972 RG Score: 05.52

PERSONAL DATA

DATE OF BIRTH: 18 May 1992
ADDRESS: At/Po: Badadumula
Dist.: Ganjam, State: Odisha
PIN: 761042
NATIONALITY: Indian
LANGUAGES KNOWN: Odia, Hindi, English
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RESEARCH INTERESTS

- Linear Algebra
 - Generalized Inverses of Matrices and Tensors
 - Structured tensors
 - Numerical Radius of Tensors.

TEACHING INTERESTS

Linear Algebra, Abstract Algebra, Real Analysis, Complex Analysis, Differential Equations, Numerical Analysis, Operation Research.

EDUCATION

- 2021 PhD, DEPARTMENT OF MATHEMATICS
National Institute Of Technology Raipur
Title: Reverse-order laws for tensors
Advisor: Dr. Debasisha Mishra
Status: Completed
Date of Submission: 24 December 2020 Date of Defense: 06 July 2021
- 2014 MSc in MATHEMATICS
Khallikote Autonomous College, Brahmapur
Berhampur University, Odisha.
PERCENTAGE: 82.25 (Secured First Position)
- 2012 BSc (Mathematics as Honours)
Khallikote Autonomous College, Brahmapur
Berhampur University, Odisha.
PERCENTAGE: 84.50 (Secured First Position)
- 2009 Intermediate in SCIENCE
Gayatri Junior College, Brahmapur
Council of Higher of Secondary Education, Odisha.
PERCENTAGE: 75.33
- 2007 Matriculation
Sri Bankeswari Vidyapitha, Badadumula
Board of Secondary Education, Odisha.
PERCENTAGE: 70.13

AWARDS & ACHIVEMENTS

- 2018 Qualified CG-SET (Chhattisgarh State Eligibility Test for Lectureship), 2017.
- 2017 Qualified GATE (Graduate Aptitude Test in Engineering), 2017.
- 2012 Awarded Post Graduate Scholarship by Institute of Mathematics & Applications (IMA), S&T Department and Government of Odisha.

WORK EXPERIENCE

- 15th MARCH, 2022 - Assistant Professor
PRESENT Department of Mathematics
K L University, Hyderabad.
- 20th OCTOBER, 2021 - Guest Faculty
11th MARCH, 2022 Department of Mathematics
Central University Odisha, Koraput.

TECHNICAL SKILLS

Mathematical Software: C, Matlab, Mathematica, Maple
Other Software: Microsoft Office, LaTeX

PROFESSIONAL AFFILIATIONS AND SERVICES

- Referee Duty (Journals)
1. IEEE Transactions on Signal Processing
 2. Journal of Mathematics

PUBLICATIONS

- RESEARCH PUBLICATIONS
5. **Krushnachandra Panigrahy**, Debasisha Mishra, Juan Manuel Peña “*On C-tensor and its application to eigenvalue localization*”, **Linear and Multilinear Algebra**, Article in Press, DOI: 10.1080/03081087.2021.1952153. (SCIE)
 4. **Krushnachandra Panigrahy**, Debasisha Mishra “*Extension of Moore–Penrose inverse of tensor via Einstein product*,” **Linear and Multilinear Algebra**, 70 (2022) 750-773. (SCIE)
 3. **Krushnachandra Panigrahy**, Debasisha Mishra “*On reverse-order law of tensors and its application to additive results on Moore–Penrose inverse*,” *Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas.* 114, Article number: 184 (2020). (SCIE)
 2. **Krushnachandra Panigrahy**, Debasisha Mishra “*Reverse-order law for weighted Moore–Penrose inverse of tensors*,” **Advances in Operator Theory** 5 (2020) 39-63. (SCOPUS)
 1. **Krushnachandra Panigrahy**, Ratikanta Behera, Debasisha Mishra “*Reverse-order law for the Moore–Penrose inverses of tensors*,” **Linear and Multilinear Algebra** 68 (2020) 246-264. (SCIE)

RESEARCH
PREPRINTS

1. *Standard eigenvalue problem via the Einstein product*, with **Singdhashree Nayak, Debasisha Mishra and Nachiketa Mishra**.
2. *Numerical range of tensor via the Einstein product*, with **Nirmal Chandra Rout and Debasisha Mishra**.
3. *A note on a faster fixed point iterative method*, with **Debasisha Mishra**.
4. C_{π}^R -tensors, with **Aaisha Be, Debasisha Mishra and Juan Manuel Peña**.

CONFERENCE PRESENTATIONS

International
Conferences

3. Presented a paper entitled “*Reverse-order laws for weighted Moore–Penrose inverse of tensors*,” **International Conference on Applied Mathematics and Computational Intelligence (ICAMCI 2020)**, Department of Mathematics, NIT Agartala, India, December, 2020.
2. Presented a paper entitled “*Reverse-order laws for tensors and its applications*,” **International Conference on Applied Linear Algebra, Probability and Statistics (ALAPS 2020)** (In honor of Prof. C. R. Rao on his birth centenary year), Department of Mathematics, Manipal University, India, December, 2020.
1. Presented a paper entitled “*Reverse-order law of tensors via the Einstein product*,” **International Conference on Numerical Linear Algebra and its Applications**, Department of Mathematics, Himachal Pradesh University, India, January, 2018.

RESEARCH COLLABORATION

1. **Dr. Juan Manuel Peña**
Applied Mathematics
Universidad de Zaragoza

REFERENCES

1. **Dr. Debasisha Mishra**
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3. **Dr. Juan Manuel Peña**
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