KUMARI SWETA SRIVASTAVA

Contact Information:

Department of Mathematics
National Institute of Technology Rourkela
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EDUCATIONAL QUALIFICATIONS:

- **National Institute of Technology Rourkela**
  Ph.D. in Mathematics (Synopsis in May 2022)

- **Central University of South Bihar, Bihar**(2015)
  M.Sc. in Mathematics
  CGPA : 8.5/10

- **St Xavier College, Ranchi, Jharkhand** (2013)
  B.Sc. in Mathematics (Honours)
  Aggregate : 80.4%

- **D.A.V Public School Gandhinagar, Ranchi, Jharkhand** (2009)
  Higher Scondary (Science)
  Aggregate : 82%
  Aggregate in Mathematics : 91%

- **D.A.V Public School Gandhinagar, Ranchi, Jharkhand** (2007)
  Secondary Examination
  Aggregate : 85%
  Aggregate in Mathematics : 89%

TEACHING INTERESTS:

Linear Algebra, Complex analysis, Measure Theory, Linear Programming Problem, Functional Analysis, Operator Theory.

EXPERIENCES:

- **Teaching Assistant** (January 2017 – till date)
  Department of Mathematics,
  National Institute of Technology Rourkela, Odisha, India.

AWARDS:

1. Qualified & Offered the GATE scholarship, Government of India.

2. Qualified Chhattisgarh (SET) in 2018.

3. Secured an All India Lectureship Rank 11 in CSIR-NET exam in Mathematics (2019).

4. Selected for Summer School Mathematics Training and Talent Search Programme at R.I.E. Mysore (2014).

RESEARCH PUBLICATIONS:	• Srivastava, K.S. and Pattanaik, S.R., Solving Nonconvex Feasibility Problem on a Sphere and a Closed Ball by DouglasRachford Algorithm, Asia-Pacific Journal of Operational Research, 38, 2050042, 2021. https://doi.org/10.1142/S0217595920500426.

WORKSHOPS :

- Participated in the course on "**Nonlinear Analysis and It's Application to Optimization Techniques** ", organized by IIT(ISM), Dhanbad, India from August 18th-22th, 2017.
- Attended Web-Conference on "**Complex Analysis and Differential Geometry: Revisiting** ", organized by Sidho-Kanho-Birsha University W.B., India from June 29th-30th, 2017.
- Participated in the **"Annunal Foundation School-II(AFS-II)"**, organized at Bhaskaracharya Pratishthana, Pune, during 16th May – 11th June, 2016.
- Attended **Mathematics Training and Talent Search(MTTS)** Program level II, organized at R.I.E. Mysore from May 19th –June 14th, 2014.

CONFERENCE / SEMINAR:

- Presented a paper entitled "**The Douglas-Rachford Algorithm in a Non-Convex setting**" in the *Indo-French Seminar on Optimization, Variational Analysis & Applications (IFSOVAA-2020)*, organized by Department of Mathematics, Institute of Science, BHU, India, February $2 - 4$, 2020.
- Presented a paper entitled "**The Douglas-Rachford Method for a Circle and Disc**" in the *International Conference on Emergent Research in Mathematics and Engineering (ICERME 2019)*, organized by NIT Agartala, India, May $17 - 18$, 2019.

PERSONAL DETAILS

Sex	: Female
Date of Birth	: 6th Aug, 1990
Nationality	: Indian
Languages Known	: English and Hindi
Permanent Address	:234/29 Om Nagar Behind Neelkanth Apartment, Kanke Road, Ranchi, Jharkand Pin-834008.

ACADEMIC REFERENCES

Dr. Roushan Kumar
Associate Professor
School of Mathematics, Statistics & Computer Science,
Central University of South Bihar
E-mail: roushankumar@cub.ac.in

Dr. Suvendu Ranjan Pattanaik (PhD Advisor)
Assistant Professor
Department of Mathematics,
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