Dr. Madan Mohan Soren,
Assistant Professor.

Curriculum Vitae

CONTACT INFORMATION

P. G. Department of Mathematics, Berhampur University, Bhanja Bihar-760007, Berhampur, Ganjam, Odisha, India.

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mms.math@buodisha.edu.in; msoren125@gmail.com

RESEARCH INTERESTS

Complex Analysis, Geometric Function Theory, Special Functions.

ACADEMIC QUALIFICATIONS

Name of the Exam./ Degree	Board/College/ Univ.	Year	Subject
Ph.D.	Berhampur University	2014	Maths.
M.Phil.	Berhampur Univ.	2009	Maths.
M. Sc.	Berhampur Univ.	2008	Maths.
B. Sc.(Hons.)	North Orissa Univ.	2006	Maths.

PUBLICATIONS

1. S. Palei and **M. M. Soren**, Differential subordination and superordination results for analytic functions defined by a new operator, Communicated.

2. **M. M. Soren**, A. K. Wanas and L.-I. Cirtolą, Third-order strong differential subordination results, **Axioms**, Communicated.

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

4. 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.

5. **M. M. Soren**, S. Barik and A. K. Mishra, Fekete-Szegö problem for some subclasses of bi-univalent functions, **The Journal of Analysis**, Vol. 29, No. 1 (2021), 147–162.

6. A. K. Mishra and **M. M. Soren**, Sandwich results for subclasses of multivalent meromorphic functions associated with iterations of the Cho-Kwon-Srivastava transform, **Filomat**, Vol. 33, No. 1 (2019), 255-266.

7. **M. M. Soren** and A. K. Mishra, Coefficient Bounds for Bi-spirallike Analytic Functions, **Kyungpook Mathematical Journal**, Vol. 58 (2018), 697–709.

8. **M. M. Soren**, Sandwich results for analytic functions involving with iterations of the Owa-Srivastava operator and its combination, **Asian-European Journal of Mathematics**, Vol. 7, No. 4 (2014) Article ID 1450063, 1-21.

9. A. K. Mishra and **M. M. Soren**, Certain subclasses of multivalent meromorphic functions involving iterations of the ChoKwonSrivastava transform and its combinations, **Asian-European Journal of Mathematics**, Vol. 7, No. 4 (2014) Article ID 1450061, 1-21.

10. A. K. Mishra and **M. M. Soren**, Coefficient bounds for bi-starlike analytic functions, **Bull. Belg. Math. Soc. Simon Stevin**, Vol. 21 (2014), 157–167.

11. A. K. Mishra and **M. M. Soren**, A generalization of the SrivastavaAttiya transform and associated classes, **Integral Transforms and Special Functions**, Vol. 23, No. 11 (2012), 831–846.

AWARD
- UGC-RGN Fellowship.
- CSIR NET-2015.

PAPER PRESENTATION

National Seminar on Contemporary Progress in Mathematics (NSCPIM-2023)
- Fourth-order differential subordination results for analytic functions, at P.G. Department of Mathematics, Berhampur University, Bhanja Bihar, Ganjam, Odisha. 19-20 Oct 2023

International Webiner on Advances in Mathematical Sciences
- Differential subordination and superordination results for analytic functions using the generalized Srivastava-Attiya operator, 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)
- A study of subclass of bi-univalent functions defined by operator, at P.G. Department of Mathematics, Berhampur University, Bhanja Bihar, Ganjam, Odisha. 25-26 March 2023

International Conference of International Academy of Physical Sciences on Convergence of Computing, Statistics and Operations-Empowering Youth for Substaintial Future (CONIAPS XXVI)
- Fekete-Szego problem for some subclasses of Bi-univalent functions, at Vijayanagara Sri Krishnadevaraya University, Ballari, Karnataka, India. 18-20 Dec 2020

National Seminar on Mathematical Analysis and Computing and Annual Conference of Odisha Mathematical Society
- A note on third order strong differential subordination, at National Institute of Science and Technology(Autonomous), Berhampur, Odisha. 15-16 Feb 2020

International Conference on Advanced Mathematical Analysis and its Applications
- Sandwich results for analytic functions using the generalized Srivastava-Attiya operator, at P.G. Department of Mathematics, Berhampur University, Bhanja Bihar, Ganjam, Odisha. 4-5 Feb 2020

International Conference on Advances in Mathematics and Computing
- Third order strong differential subordination results for analytic functions using the generalized Srivastava-Attiya operator, at Department of Mathematics, Veer Surendra Sai University of Technology, Burla, Sambalpur, Odisha. 7-8 Feb 2020

International Conference on Analysis and Applications
- Certain subclasses of multivalent meromorphic function involving iterations of Carlson-Shaffer transform and its combinations, at P.G. Department of Mathematics, Berhampur University, Bhanja Bihar, Ganjam, Odisha. July 2012

National Seminar on Recent Advances in Mathematics and its Applications
- Invariance of some subclasses of analytic functions associated with a multiplier transform, at Department of Mathematics, Brahmanand College, The Mall, Kanpur, UP. February 2011

CONFERENCES/WORKSHOP
ATTENDED

- One week Online International workshop on "Numerical Analysis of Ordinary and Partial Differential Equations" held at Government Tilak PG College, Katni, M.P., 27-31 December 2022.

- One week Online International workshop on "Geometry of Continued fractions: Ramanujan and his successors" held at Srinivasa Ramanujan Department of Mathematics, Centre for Vedic Mathematical Studies, Central University of Himachal Pradesh, 14 - 15 Sept 2020.

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

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

- Advanced Training in Mathematics Workshop on "Complex Analysis & Related Topics" sponsored by NBHM, India held at Department of Mathematics, Central University of Rajasthan, Bandar Sindiri, Kishangarh, 15-19 March 2013.

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.

- 3 weeks Orientation Programme sponsored by UGC-HRDC, held at Rani Durgawati University, Jabalpur, M.P., 17 Feb 2020 - 07 March 2020.

TEACHING
EXPERIENCE

◇ June 2014- November 2016 (B.Sc Students) at M.P.C Autonomous College, Baripada, Mayur Bhanj, Odisha.

◇ December 2016- October 2017 (B.Sc Students) at Model Degree College, Sonepur, Odisha.

◇ Nov 2017- till date (M.Sc Students) at P.G. Department of Mathematics, Berhampur University, Bhanja Bihar, Ganjam-760007, Odisha.

PH.D. GUIDANCE

1. Mr. Satyaranjan Pradhan (Continuing from 2022-)

2. Mr. Sudhansu Palei (Continuing from 2022-)

3. Mr. Santosh Mandal (Continuing from 2023-)

COURSES TAUGHT	⋆ Real Analysis, Ordinary and Partial Differential Equations, Vector Calculus, Linear Algebra, Fourier Analysis, Algebra, Complex Analysis, Calculus-II, Linear Programming, Number Theory and Probability and Statistics at Undergraduate level.
	⋆ Partial Differential Equation and its Applications, Number Theoretic and Cryptography, Optimization Techniques, Mathematical Statistics at Postgraduate level.

ADMINISTRATIVE AND ACADEMIC RESPONSIBILITIES

1. Coordinator, Dept. of Mathematics, B.U. from June 2021 -May 2023.

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

3. Member of Board of Studies in Mathematics, Berhampur University, Bhanja Bihar.

4. Assistant Superintendent, Anshupa Ladies Hostel, B.U. from June 2020 - May 2022.

5. Assistant Superintendent, Indravati Boys Hostel, B.U. from June 2018 - May 2020.

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

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

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

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

10. Organized a National Seminar Contemporary Progress in Mathematics (NSCPIM-2023) as a **Co-Convenor** on 19-20 Oct 2023.

MEMBERSHIP IN PROFESSIONAL BODIES

- Orissa Mathematical Society (Life Member).

- Indian Mathematical Society (Life Member).

PROFESSIONAL AFFILIATIONS AND SERVICES

Referee Duty (Journals):

1. Filomat

2. International Journal of Mathematics and Mathematical Sciences

3. Asian-European Journal of Mathematics

4. Kyungpook Mathematical Journal

5. Earthline Journal of Mathematical Sciences

HARDWARE AND SOFTWARE SKILLS

Computer Programming:

- C, C^{++}, LaTeX, MATLAB, Maple, Mathematica, and others.

ADDITIONAL
INFORMATION

- Title of the Ph.D thesis : Basic Properties of Certain Operators on Subclasses of Univalent and Multivalent Functions.

- Ph.D Supervisor: Prof. Akshaya Kumar Mishra,Retd. Professor, Berhampur University & Former Director, Institute of Mathematics and Applicaions, Bhubaneswar.

- Nationality : Indian.

(Madan Mohan Soren)