FACULTY MEMBERS' ACADEMIC PROFILE

1. **Name of the Faculty member:** Dr. Banani Dutta

2. **Designation:** Assistant Professor

3. **Qualification: Ph.D.**

4. **Specialization:** Pure Mathematics (Complex Analysis)

5. **E-mail address:** duttabananimath@gmail.com

6. **Date of Joining in W.B.E.S.:** 06.04.2019

7. **Date of Joining in this College: 10.01.2025**

8. **Total Teaching experience at the college level:** 5 yrs. 10 months

9. **Research interests:** Pure Mathematics (Complex Analysis)

10. **Title of thesis (Ph.D.) with year: On the progress of the comparative growth analysis of entire and meromorphic functions (2019)**

11. **Research guidance:** --

12. **Research Projects (Completed and ongoing):** --

13. **List of publications:**

Published papers in Journals:

 1. On the central index of composite entire functions, S K Datta, B Dutta, International Journal of Engineering , Science and Mathematics, vol.7, Issue 05, 2018.

2. Fuzzy version of some results of Value distribution theory, S K Datta, B Dutta, Journal of Calcutta Mathematical Society, vol.15,no.1, 2019.

3. Some results on sum and product of relative growth factors of entire functions , S K Datta, B Dutta, N. Biswas, Journal of Classical Analysis, 2018.

4. On different relative growth factors of entire functions, S K Datta, B Dutta, N Biswas, Journal of the Indian Mathematical Society, vol. 86, nos. 3-4, pp. 296-314, 2020.

5. Some results on hyper-relative (p,q)-psi order of entire functions, B. Dutta, Md. A. Hoque, Bulletin of Calcutta Mathematical Society, Vol-115 , No.6 , pp-781-800, 2023.

6. A note on (j,k)th-Proximate order and (j,k)th proximate type of entire function, A Hoque , B Dutta, Journal of Calcutta Mathematical Society , vol. 20(1) 27-40 (2024).

Conference Proceedings:

 1. On the growth analysis of complex linear differential equations with entire and meromorphic coefficients, S K Datta, B Dutta, International Journal of Engineering , science and mathematics, vol.7, Issue 05, 2018.

2. On the different relative growth factors of entire functions , S K Datta, B Dutta, Bulletin of Calcutta Mathematical Society, vol.110,no.6, 2018.

14.   **Membership of Learned Societies/ Editorial Boards, etc.:** Member of Calcutta Mathematical Society, Salt Lake, Kolkata.

15.   **Patents:** --

   16. **Awards:** Dhirendra Chandra Majumdar Silver Medal for being 1st class 1st in B.Sc. Hons. Mathematics in University of Kalyani for the year 2012.

17.   **Other notable activities:**

18.   **Participation in**

   A) Seminars/Symposia/Conferences/Workshops: 1. Paper presented on International Seminar on facets of basic sciences and applications organized by Howrah Girls' College in 2018.

   2.   Paper presented on National Conference on Mathematical Analysis and mathematical modelling organized by Calcutta Mathematical Society in 2018.

   3.   Paper presented on International conference on algebra , mathematical analysis and simulation organized by Calcutta Mathematical Society in 2022.

   4.   Paper presented on International conference on recent developments in Mathematics organized by Canadian University , Dubai , UAE in 2022.

   5.   Paper presented on International conference on Mathematical challenges and novel applications organized by Ayya Nadar Janaki Ammal college , Sivakashi in 2024.

OP/RC: 1. Faculty Development program in 2021 from University of Calcutta.

2. Refresher course in 2022 from University of North Bengal.