Curriculum Vitae

Dr. ABRAR AHMAD
Department of Mathematics
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Employment History

- **Lecturer** in the Department of Mathematics, Government College of Engineering and Technology, Ganderbal, Kashmir from September, 2021 to March, 2022.

- **Lecturer** in the Department of Mathematics, Islamia College of Science and Commerce Srinagar Kashmir, from April, 2022 till December 2022.

- **Lecturer** in the Jammu and Kashmir Institute of Mathematical Science (JKIMS), Srinagar Kashmir, from March, 2023 till October 2023.

- **Lecturer** in the Department of Mathematics, University of Kashmir, Srinagar from 1- Nov-2023 till 31-Dec-2023.

Scholastic Record

- **Integrated Ph.D. in Mathematics** from Department of Mathematics, University of Kashmir, Srinagar on August 9, 2021.
  Topic of Ph.D. Thesis: "**Zero free regions and bounds for the maximum modulus of lacunary-type polynomials**".
  Supervisor and Advisor: Dr. M. A. Mir.

- **Qualified JKSET. (Mathematics)** in the year 2022.

- **M.Sc. (Mathematics)** from University of Kashmir, Srinagar in the year 2014 with Distinction.

- **B.Sc.(Mathematics, Physics, Electronics** & **English)** from Islamia College of Science and Commerce, Srinagar, J & K in the year 2011 with 1st division.

Field of Specialization/Interest

Complex Analysis, Approximation Theory, Function Theory.

Research Experience: **05 years** of research experience in the field of Complex Analysis.

Research Publications: **12**(Research Papers)

- Number of Papers Published: **12 (see Annexure-I)**

Teaching Experience: **15 Months**

Subjects Taught

Mathematical Analysis

Complex Analysis

Differential Equations

Linear Algebra

Calculus

Professional Services
Languages known

- *English, and Urdu* : Read, write & speak fluently.

- *Arabic* : Read only.

Research Publications

1. G. V. Milovanovic, Abdullah Mir and Abrar Ahmad, *On the zeros of a quaternionic polynomial with restricted coefficients,* **Linear Algebra and its Applications,** 653 (2022) 231–245.

2. Abdullah Mir, Abrar Ahmad and Adil Hussain Malik, *Note on an inequality of M. A. Malik,* **Appl. Anal. Discrete Math** 16, (2022), 564–575.

3. Abdullah Mir and Abrar Ahmad, *Bernstein-Type Integral Inequalities for a Certain Class of Polynomials-II,* **Mediterr. J. Math,** 17:177 (2020) pp 1-16.

4. G. V. Milovanovic, Abdullah Mir, Adil Hussain Malik and Abrar Ahmad, *A note on sharpening of the Erdös-Lax inequality concerning polynomials,* **Bulletin T.CLIII de l'Acad´emie serbe des sciences et des arts Classe des Sciences mathematiques et naturelles Sciences mathematiques,** 45 (2020), pp. 55-64.

5. G. V. Milovanovic, Abdullah Mir, Abrar Ahmad, *Certain estimates of Turán-type for the maximum modulus of the polar derivative of a polynomial,* **Publications De L'Institut Mathématique Nouvelle série, tome.,** 108 (2020), pp. 121-130.

6. G. V. Milovanovic, Abdullah Mir, Abrar Ahmad, *Estimates for the Maximal Modulus of Rational Functions with Prescribed Poles,* **Filomat Journal.,** 35:5, 1511–1517.

7. Adil Hussain Malik and Abrar Ahmad, *Generalizations of some Bernstein-type inequalities for the polar derivative of a polynomial,* **Annali Dell'Universita' Di Ferrara** 66 (2020), pp. 371-379.

8. Abdullah Mir and Abrar Ahmad, *Inequalities of Erdös–Lax-type for a complex polynomial,* **The Journal of Analysis** 30 (2022), pp. 989-998.

9. Abdullah Mir, Abrar Ahmad and Adil Hussain Malik, *Growth of a polynomial with restricted zeros,* **The Journal of Analysis** (2019), pp. 827-839.

10. Adil Hussain Malik, Abdullah Mir and Abrar Ahmad, *On Bernstein–type inequalities for polynomials involving the polar derivatives,* **Journal of Classical Analysis** 16 (2020), pp. 9-15.

11. Abdullah Mir, Abrar Ahmad and Adil Hussain Malik, *Number of Zeros of a Polynomial in a Specific Region with Restricted Coefficients,* **Journal of Mathematics and Applications** 42 (2019), pp. 135-146.

12. Abdullah Mir, Abrar Ahmad and Adil Hussain Malik, *Bounds for the Zeros of Polynomials,* **Anal. Theory Appl.,** 36 (2020), pp. 1-7.

Achievments

- Member of Kashmir Mathematical society.

- Received a best presentation award on " Growth of a polynomials not vanishing in a Disk" in an international conference held in NIT Srinagar in 2019.

- Presented a paper on "Some upper bound estimates for the maximal modulus of a polynomial" in an international conference on Recent Advances in Interdisciplinary Science organized by Jammu University.

- Presented a paper on "Bounds for the zeros of a polynomial" in 13th Science Congress held in 2018 at University of Kashmir.

- Presented a paper on "Location of zeros of entire function" in a National conference organized by J and K Institute of Mathematical Science in collaboration with University of Kashmir.

Personal Details

Father's Name	Late Abdul Gani Hakeem
Date and place of birth	March, 1990, Srinagar (J&K)
Nationality	Indian
Religion	Islam
Marital Status/Sex	Unmarried/Male

(Dr. Abrar Ahmad)