SHABIR MALIK
Curriculum Vitae

SRINAGAR
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SUMMARY

An insightful educator with a stellar background in classroom management and lecture delivery. Helping students learn and excel in Mathematics. As a demonstrator successfully built courses at both the undergraduate and graduate levels. Facilitates lively debates between students to explore theories and build knowledge.

With one year of experience as an Assistant Professor, successfully contributing to different areas of Mathematics curriculum development and delivery. Driven to contribute to program outcomes by facilitating engagement and supporting learning objectives. Enthusiastic professional with a background in academic advisement.

EXPERIENCE

2022–present: **Assistant Professor**, *Higher Education Department*, Srinagar, **J&K**, India.

- Evaluated and supervised student activities and performance levels to provide reports on academic progress.
- Built strong rapport with students through class discussions and academic advice.
- Collaborated with colleagues on curriculum revision, evaluation of course syllabi and lesson plans for different branches of Mathematics curriculum.

FELLOWSHIPS & AWARDS

2023: ***Best Teacher Award,*** Students Council HKM Govt. Degree College-193502, Jammu and Kashmir.

2020 –2021: ***Kashmir University Fellowship,*** University of Kashmir, Srinagar.

2018: *Recipient of the State Eligibility Test for Assistant Professor award,* JKSET Agency, University of Kashmir, Srinagar.

EDUCATION

2019-2023: **Ph.D [Integrated M.Phil & Ph.D.]- Mathematics/Applied Mathematics: Awarded on 30 October-2023**, *University of Kashmir*, Jammu and Kashmir, India.
Mathematical Analysis, Real and Complex Analysis, Operator Theory, Polynomial Approximation Theory [ON SOME EXTREMUM PROBLEMS AND INCLUSION OF ZEROS OF A POLYNOMIAL].

2018: **SET/SLET, Mathematical Sciences**, *University Of Kashmir*, Jammu and Kashmir, India.
Linear Algebra, Modern Algebra, Analysis.

2014-2016: **M.Sc, Applied Mathematics**, *BGSB University* , Jammu and Kashmir, India.
Applied Analysis, Matlab, Fourier Analysis and Partial Differential Equations, Numerical Linear Algebra, Wavelets, Functional Analysis.

2010-2013: **B.Sc**, *University Of Kashmir* , Jammu and Kashmir, India.
Mathematics, Physics and Chemistry.

SKILLS

- Student records management
- Continuing education
- Student research guidance
- Classroom presentations
- Thesis advisement
- Tutoring
- Lesson Planning
- Student counseling
- Academic research and advisement
- Latex

PUBLICATIONS

Journal Articles

- **S.A. Malik**, B.A. Zargar, *On a Generalization of an operator preserving Turán-type inequality for complex polynomials*, **Journal of Contemporary Mathematical Analysis**, 58(2023), 341-346. **SCI**.

- **S. Ahmad Malik**, A. Kumar, B. Ahmad Zargar, *Zero-free regions for lacunary type polynomials*, **Journal of Contemporary Mathematical Analysis**, 57(2022), 172-182. **SCI**

- **S.A. Malik**, B.A. Zargar, *On some operator preserving inequalities between polynomials*, **Asian-European Journal of Mathematics**, (2023). https://doi.org/10.1142/S1793557123501978

- **Shabir Ahmad MALIK** and Ashish KUMAR, *On the maximum modulus of complex polynomial*, **Commun. Fac.Sci.Univ. Ank.Ser. A1 Math. Stat.**, 71(2022), 666-681.

- **S.A. Malik**, B.A. Zargar, *Turán type inequalities for a class of polynomials with constraints*, **Int. J. Nonlinear Anal. Appl.**, 12(2021), 583-594.

- **Shabir Ahmad Malik**, *Bernstein type L_p inequalities for composition of polynomials*, **Sarajevo Journal of Mathematics**, 19 (32) (2023), 109–116.

- BASHIR AHMAD ZARGAR, **SHABIR AHMAD MALIK**(Cor. Author), *Bernstein type inequalities for composite polynomials*, **Jordan Journal of Mathematics and Statistics**, 15(2022), 1127-1135.

- M.H. Gulzar ▪ B.A. Zargar ▪ **S.A. Malik**(Cor. Author), *On the zeros of the polar derivative of a polynomial*, **The Journal of Analysis**, 30(2022), 101-117.

- B.A. Zargar, M.H. Gulzar, **S.A. Malik**(Cor. Author), *Location of zeros of the polar derivative of a polynomial*, **Journal of Classical Analysis**, 19(2022), 1-12.

- Tawheeda Akhter, **S.A. Malik**, B.A. Zargar, *Turan type inequalities for rational functions with prescribed poles*, **Int. J. Nonlinear Anal. Appl.**, 13(2022), 1003-1009.

<p style="text-align:center;">Accepted & Communicated Journal Articles</p>

- **S.A. Malik**, B.A. Zargar, *On Erdős-Lax and Bernstein inequalities for generating operators*, **Mathematicki Vesnik**, (To be published).

- **Shabir Ahmad Malik**, *Turán and Lax type inequalities for proper rational functions with prescribed poles*, (Communicated).

- **Shabir Ahmad Malik**, *On the zeros of lacunary-type univariate complex polynomials*, **Complex Analysis and its Synergies**, (Communicated).

- **Shabir Ahmad Malik**, *Inequalities concerning operators over complex polynomials*, **Computational Methods and Function Theory**, (Communicated).

CONFERENCES

Febuary 2023: **Presented a paper entitled "Sharp extension of a polynomial inequality to rational spaces"**, *in the* 2nd ***National Conference on Computational and Characterization Techniques in Engineering & Sciences (CCTES-23)*** *organized by Department of Applied Science & Humanities, Rajkiya Engineering College, Ambedkar Nagar, UP, India.*.

July 2021: **Presented a paper titled "On the zeros of the polar derivative of a polynomial"**, *in the* **International Conference on Recent Trends and Techniques in Mathematical and Computer Science** *Jointly Organized by Government Degree College, Darhal, Jammu and Kashmir, India & Cape Comorin Trust, India & Lavender Literary Club, India & Cape Comorin Publisher, Tamil Nadu, India.*.

2020: **Participated in Online International Conference on "History and Development of Mathematics" (ICHDM 2020)**, *organized by the Department of Mathematics, Maharshi Dayanand University Rohtak on National Mathematics Day.*.

2020: **Attended TEQIP-III sponsored one-week online Short Term course On "Mathematics Without Boundaries"**, *organized by the Department of Mathematics, National Institute of Technology, Srinagar.*.

2020: **Participated in a two-day national conference on "Emerging Trends in Mathematics-Its Applications and Celebration of Mathematics Day"**, *organized by the Department of Mathematics, University of Kashmir, Srinagar-J&K, India.*.

SUBJECTS TAUGHT

- Calculus
- Theory of Matrices
- Algebra
- Plane and Solid Geometry
- Real Analysis
- Numerical Analysis
- Computational Mathematics
- Business Mathematics

Computer Skills

- MS-WORD
- LATEX
- Presentation Program

Referees

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