# **Curriculum Vitae**

Name: Dr. Faroz Ahmad Bhat Assistant Professor Department of Mathematics University of Kashmir South Campus, Anantnag, J & K India. Parentage: Gh. Hassan Bhat Residential Address: Khrew, Pampore, Pin: 191103 District: Pulwama, J & K, India **Cell No.**: +91-9797045229 Email: bhatfaroz@uok.edu.in & farozmaths@rediffmail.com Nationality: Indian

#### **Educational qualification:**

- □ B. Sc, S. P College, Srinagar, Kashmir, in 2005.
- □ M. Sc Mathematics from University of Kashmir, in 2007.
- **B. Ed from University of Kashmir**, in 2011.
- □ M. Phil Mathematics from University of Kashmir.
- □ Ph. D Mathematics from University of Kashmir.

#### **Research Area**:

Zeros, Inequalities and extremal properties of polynomials over complex domain.



#### Schools/ Seminars/Workshops and Conferences:

- Attended a Faculty Development Programme (FDP) on Academic Research Writing organized by Teaching Learning Centre, Ramanujan College, University of Delhi from 27 March-02 April, 2023 and obtained grade A.
- Attended a Faculty Development Programme (FDP) on Artificial Intelligence in Education organized by Teaching Learning Centre, Ramanujan College, University of Delhi from 22-28 February, 2023 and obtained grade A<sup>+</sup>.
- Delivered a lecture on Mathematical solutions to real life puzzles during a month-long programme entitled Outreach cum awareness programme on popularization of mathematics organized by the Department of Mathematics, South Campus, University of Kashmir in December, 2022 sponsored by JKDST, Srinagar, India.
- Organized a National Day of Mathematics-2022 on 28<sup>th</sup> December, 2022 in the Department of Mathematics, South Campus, UOK in collaboration with JKDST, Srinagar, India.
- Organized a month-long programme entitled Outreach cum awareness programme on popularization of mathematics in Kashmir valley through South Campus, University of Kashmir in December, 2022 sponsored by JKDST, Srinagar, India.
- Organized a one-week workshop on Mathematics and its Applications in the Department of Mathematics, South Campus, UOK from 16 Sept.-22 Sept. ,2022 in collaboration with the Mathematics Consortium Pune and Kashmir Mathematical Society, Srinagar.
- Attended a webinar on Excellence in Teaching in Higher Education Institutions organized by the UGC-Human Resource Development Centre, University of Kashmir on February 11, 2022.
- Presented a research paper entitled "On the inequalities of complex polynomials" in One Day Multidisciplinary National Conference, Organized by

division of social science Faculty of Fishers and division of Agri Statistics on 22<sup>nd</sup> December, 2021.

- Teacher's Enrichment Workshop-(TEW) on Functional Analysis from Nov. 28-Dec.12, 2021, Organized by the Department of Mathematics University of Kashmir.
- Attended 27<sup>th</sup> international conference on Mathematical Analysis and its Applications in online mode organized by the department of mathematics central university of Kerala, India and international academy of physical sciences, Prayagraj, India during 26-28 October, 2021.
- Instructional School for Teachers on Geometry of Complex Functions Organized by Dept. of Mathematics, Indira Gandhi National Tribal University from 14 July – 08 August, 2021.
- Participated in National Level Online Quiz conducted on the occasion of NATIONAL STATISTICS DAY, Organized by Dept. of Statistics Krishna University on 29<sup>th</sup> June, 2021.
- Attended Virtual National Conference on Theoretical and Applied Statistics, Organized by Kristu Jayanti College from 9<sup>th</sup> to 10<sup>th</sup> February, 2021.
- Attended a National Conference on Emerging Trends in Mathematics-Its Applications, Organized by Dept. of Mathematics, Indira Gandhi National Tribal University from December 15-16, 2020.
- Attended one day national webinar on "Fuzzy Mathematics and Future directions" Organized by Department of Mathematics GDC Tangmarg on 14<sup>th</sup> October 2020.
- Attended 13<sup>th</sup> J & K Science Congress, Organized by University of Kashmir in 2018.
- Two Day National Level Workshop on Geometrical Interpretation of Mathematical Concepts, Organized by the Department of Mathematics University of Kashmir in 2018.
- **\*** Two Days Workshop on Emerging Trends in Mathematics (ETM-18),

Organized by Dept. of Mathematics-South Campus, University of Kashmir in 2018.

- One day National Workshop on Women, Law and Society- Challenges and Issues, Organized by Department of Education, South Campus, University of Kashmir in 2018.
- Attended 13th Session of Jammu and Kashmir Science Congress (JKSC-2018) Organized by University of Kashmir in collaboration with the Jammu and Kashmir State Science, Technology and innovation Council.
- National Conference on Recent Trends in Pure and Applied Mathematics, held in 2017 at Dept. of Mathematics, University of Kashmir.
- Drupal Workshop: held in 2017 at Department of Computer Science, South Campus, University of Kashmir IAC Software Solutions.
- World Book Day Organized by Central Library, South Campus, University of Kashmir (2017).
- Two days national seminar on Mathematics and its Applications, held in 2016 at Dept. of Mathematics, Govt Degree College Pulwama.
- Introduction to Graph and Geometric Algorithms held in 2015, Organized by Department of Mathematics and Department of Computer Science, University of Kashmir.
- Instructional School for Lecturers in Linear Algebra, held in 2014 at Department of Mathematics, SSJ Campus, Kumaun University Almora, Uttarakhand.
- 4-Day Teachers Training Camp/Workshop, held in 2012 at Department of Mathematics, University of Kashmir.
- Presented Research Paper in the 6th JK Science Congress (2010), Organized by University of Kashmir in collaboration with the Jammu and Kashmir State Council for Science and Technology.

#### **Orientation Courses/ Refresher Courses:**

- Attended Refresher Course in Mathematics, Organized by UGC Human Resource Development Centre, Pt. Ravi Shanker Shukla University Raipur- 492010 Chhattisgarh in 2022.
- Attended Refresher Course in Science, Organized by UGC Human Resource Development Centre, University of Kashmir in 2021.
- Attended Refresher Course in Mathematical Sciences, Organized by UGC Human Resource Development Centre, University of Jammu in 2019.
- Attended 67th General Orientation course, Organized by UG Academic Staff College, University of Kashmir in 2015.

# **Research Experience:**

- ✓ Research Experience of 10 years in Complex Analysis.
- ✓ Currently guiding a scholar for integrated Ph.d programme in the Department of Mathematics, UOK, South Campus.

# Scholarships/ Fellowships/ Awards:

**Junior Research Fellowship (CSIR-JRF)** awarded by the Council of Scientific and Industrial Research (CSIR), New Delhi, India (July, 2010).

## **Teaching Experience:**

- ✓ Worked as 10+2 Lecturer Department of School Education Jammu and Kashmir from May 2010 to March 2013.
- ✓ Working as Assistant Professor, Department of Mathematics, South Campus University of Kashmir from March 2013 to till date (More than 10 years of teaching experience).

## Research skills:

I. Latex

Computer knowledge: Ms-Office, latex, Internet.

Language: English, Urdu, Kashmiri.

## **<u>Publication(s)</u>:**

- Turan type inequalities for the generalized derivative of a polynomial. F. A. Bhat and H. A. Dar, Complex Analysis and its Synergies 2024 https://doi.org/10.1007/s40627-024-00135-z
- Inequalities for the generalized derivative of a complex polynomial. F. A. Bhat, N. A. Rather, and S. Gulzar, Publications De L'Institute Mathematique 114 (128) (2023).
- *On Turan's inequality concerning polynomials. F. A. Bhat,* Applied Mathematics E-Notes 23(2023), 370-476.
- Inequalities for complex polynomials. F. A. Bhat, Complex Analysis and its Synergies 21(2022).
- On Inequalities For The Derivative Of A Polynomial With Restricted Zeros Faroz Ahmad Bhat, Applied Mathematics E-Notes 22(2022), 437-443.
- *The location of critical points of polynomials.*, Suhail Gulzar, N. A. Rather and F.A. Bhat, Asian-European Journal of Mathematics, Vol. 12 No. 07(2019).
- *Inequalities for the polar derivatives of a polynomial.*, N. A. Rather and F. A. Bhat, Appl. Math., E-Notes, 17(2017) pp. 231-241.
- *On the zeros of derivatives of a polynomial.*, N. A Rather and F. A. Bhat, Non-Linear Funct. Anal. Appl., Vol. 21 No. 4(2016) pp. 561-566.
- Some Lr Inequalities involving the polar derivatives of a polynomial., N. A. Rather, F. A. Bhat and Suhail Gulzar, Appl. Math., E-Notes No. 14(2014) pp 116-122.
- *On the critical points of a polynomial.*, N. A. Rather and Faroz Ahmad Bibechana., Vol. 9(2013) pp 28-32.

## Declaration

I hereby declare that the details stated above are true to the best of my knowledge and belief.

Faroz Ahmad Bhat