

Dr. Nisar Ahmad Rather

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Srinagar, Jammu and Kashmir - 190006, India

SUMMARY

Senior Professor with advanced mathematical research and teaching abilities. Helping students navigate challenging concepts with positive guidance and tutoring skills. Accomplished Research Expert having guided many scholars with more than 120 research articles along with a positive impact on science, students and society. Able-Administrator having shown various institutional advancement plans and actions in various administrative positions held.

WORK HISTORY

- **Professor** University of Kashmir
Department of Mathematics Superannuated March 2023
- **Dean** University of Kashmir
Physical & Mathematical Sciences
- **Head** University of Kashmir
Department of Mathematics
- **Director** University of Kashmir
Physical Education & Sports
- **Director** University of Kashmir
Environment & Hygiene
- **Chief Proctor** University of Kashmir
University of Kashmir

EDUCATION

- **University of Kashmir** 1999
Doctorate in Philosophy, Mathematics Srinagar, India
- **University of Kashmir** 1987
Masters in Philosophy, Mathematics Srinagar, India
- **University of Kashmir** 1984
Masters in Science, Mathematics Srinagar, India
- **University of Kashmir** 1981
Bachelor of Science, Mathematics Srinagar, India

TEACHING & RESEARCH EXPERIENCE

- **Teaching at Post-Graduate level:** 25 Years
University of Kashmir
- **Research Experience:** 35 Years
University of Kashmir

PROJECTS

- **Athletic Track** University of Kashmir
Funding by J and K Govt. at Rs 7.0 crore
- **Gymnasium and Health Club** University of Kashmir
Funding by UGC at Rs 1.75 crore

BOOKS PUBLISHED

- **Complex Trigonometry** 2005
K.Sons, India
- **Theory of Equations** 2013
K. Sons, India
- **A Textbook of Matrices** 2013
KBD

PUBLICATIONS

- [1] NA Rather, M Shafi, and Ishfaq Dar. "Growth estimate for rational functions with prescribed poles and restricted zeros". In: *Kragujevac Journal of Mathematics* 49.2 (2025), pp. 305–311.
- [2] Aijaz Bhat, Tanveer Bhat, and NA Rather. "On some inequalities concerning polynomials with restricted zeros". In: *Journal of Applied Analysis* 0 (2024).
- [3] Aijaz Bhat, Naseer Wani, and NA Rather. "On the derivatives of a polynomial with restricted zeros". In: *Complex Analysis and its Synergies* 10.3 (2024), p. 15.
- [4] Ishfaq Dara, NA Ratherb, and Irfan Faiqc. "Bounds on the zeros of a quaternionic polynomial using matrix methods". In: *Filomat* 38.9 (2024), pp. 3001–3010.
- [5] NA Rather, Liyaqat Ali, and Aijaz Bhat. "On the number of zeros of a polynomial in a disk". In: *ANNALI DELLA UNIVERSITA' DI FERRARA* 70.1 (2024), pp. 181–191.
- [6] NA Rather, Naseer Ahmad Wani, and Ishfaq Dar. "Location of the zeros of quaternionic polynomials using matrix tools". In: *arXiv preprint arXiv:2403.02958* (2024).
- [7] NA Rather et al. "Computation of the zeros of a quaternionic polynomial using matrix methods". In: *Arab Journal of Basic and Applied Sciences* 31.1 (2024), pp. 65–70.
- [8] Nisar Ahmad Rather, Aijaz Bhat, and Mohmmad Shafi. "Sharpening of Turán-type inequality for polynomials". In: *Russian Mathematics* 68.4 (2024), pp. 35–41.
- [9] Nisar Ahmad Rather et al. "Inequalities for the generalized polar derivative of a polynomial". In: *International Journal of Nonlinear Analysis and Applications* (2024).
- [10] FA Bhat, NA Rather, and S Gulzar. "Inequalities for the generalized derivative of a complex polynomial". In: *Publications de l'Institut Mathématique* 114.128 (2023), pp. 71–80.
- [11] Suhail Gulzar, NA Rather, and KA Thakur. "Annular regions containing all the zeros of a polynomial". In: *Indian Journal of Pure and Applied Mathematics* (2023), pp. 1–6.
- [12] Abdullah Mir, NA Rather, and Ishfaq Dar. "Zygmund-Type Integral Inequalities for Complex Polynomials". In: *Mediterranean Journal of Mathematics* 20.1 (2023), p. 25.
- [13] NA Rather, Aijaz Bhat, and Suhail Gulzar. "Certain Bernstein-type L_p inequalities for polynomials". In: *Acta Scientiarum Mathematicarum* 89.3 (2023), pp. 545–557.
- [14] Nisar Ahmad Rather, Aijaz Bhat, and Mohmmad Shafi. "Sharpening of Erdős-Lax inequality for polynomials". In: *Izvestiya Vysshikh Uchebnykh Zavedenii. Matematika* 2 (2023), pp. 57–65.
- [15] Nisar Ahmad Rather, Aaqib Iqbal, and Ishfaq Dar. "Inequalities for rational functions with prescribed poles". In: *Mathematical Notes* 114.3 (2023), pp. 593–607.
- [16] Nisar Ahmad Rather, Mohmmad Shafi Wani, and Aijaz Ahmad Bhat. "Some inequalities for the growth of rational functions with prescribed poles". In: *International Journal of Nonlinear Analysis and Applications* 14.1 (2023), pp. 717–722.
- [17] Liyaqat Ali, N. A. Rather, and Suhail Gulzar. "Gauss Lucas theorem and Bernstein-type inequalities for polynomials". In: *Acta Universitatis Sapientiae, Mathematica* 14.2 (Dec. 2022), pp. 211–219. DOI: [10.2478/ausm-2022-0013](https://doi.org/10.2478/ausm-2022-0013).
- [18] Ishfaq Ahmad Dar, Nisar Ahmad Rather, and Mohd Shafi Wani. "Growth estimate for rational functions with prescribed poles and restricted zeros". In: *International Journal of Nonlinear Analysis and Applications* 13.1 (2022), pp. 247–252.
- [19] Suhail Gulzar, Nisar Ahmad Rather, and Mohammad Shafi Wani. "On Visser's inequality concerning coefficient estimates for a polynomial". In: *Izvestiya Vysshikh Uchebnykh Zavedenii. Matematika* 3 (2022), pp. 13–20.
- [20] NA Rather, A Bhat, and M Shafi. "Integral inequalities for the growth and higher derivative of polynomials". In: *Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences)* 57.4 (2022), pp. 242–251.
- [21] NA Rather, Ishfaq Dar, and A Iqbal. "Some extensions of a theorem of Paul Turán concerning polynomials". In: *Kragujevac J. Math* 46.6 (2022), pp. 969–979.
- [22] NA Rather and TA Rather. "Refinements of Some Probability Inequalities". In: *Operations Research* 2.2 (2022), pp. 201–215.

- [23] Nisar A Rather, Suhail Gulzar, and Aijaz A Bhat. “ $L_{\{p\}}$ inequalities for the growth of polynomials with restricted zeros”. In: *Archivum Mathematicum* 58.3 (2022), pp. 159–167.
- [24] Nisar Ahmad Rather, Aaqib Iqbal, and Ishfaq Ahmad Dar. “Inequalities for an operator on the space of polynomials”. In: *International Journal of Nonlinear Analysis and Applications* 13.1 (2022), pp. 431–439.
- [25] Nisar Ahmad Rather, Mohmmad Shafi Wani, and Ishfaq Dar. “On The Eneström-Keakeya Theorem”. In: *Applied Mathematics E-Notes* 22 (2022), pp. 660–667.
- [26] Rather Nisar Ahmad, Gulzar Suhail, and Bhat Aijaz. “On Zygmund-type inequalities concerning polar derivative of polynomials”. In: *Ural Mathematical Journal* 7.1 (12) (2021), pp. 87–95.
- [27] NA Rather, Ishfaq Dar, and Suhail Gulzar. “On the zeros of certain composite polynomials and an operator preserving inequalities”. In: *The Ramanujan Journal* 54 (2021), pp. 605–612.
- [28] NA Rather, Ishfaq Dar, and A Iqbal. “Some inequalities for polynomials with restricted zeros”. In: *ANNALI DELL’UNIVERSITA’ DI FERRARA* 67 (2021), pp. 183–189.
- [29] Nisar Ahmad Rather, Liyaqat Ali, and Ishfaq Dar. “On an operator preserving polynomial inequalities”. In: *Korean Journal of Mathematics* 29.2 (2021), pp. 435–443.
- [30] Nisar Ahmad Rather, Liyaqat Ali, and Suhail Gulzar. “ L_p -inequalities for the polar derivative of a lacunary-type polynomial”. In: (2021).
- [31] Nisar Ahmad Rather, Ishfaq Dar, and Aaqib Iqbal. “On the regions containing all the zeros of polynomials and related analytic functions”. In: *Vestnik of Saint Petersburg University. Mathematics. Mechanics. Astronomy* 8.2 (2021), pp. 331–337. DOI: [10.21638/spbu01.2021.212](https://doi.org/10.21638/spbu01.2021.212).
- [32] Nisar Ahmad Rather, Ishfaq Dar, and Mohammad Shafi. “On the zero bounds of polynomials and related analytic functions”. In: *Applied Mathematics E-Notes* 21 (2021), pp. 525–532.
- [33] Nisar Ahmed Rather, Aijaz Bhat, and Liyaqat Ali. “Number of zeros of a certain class of polynomials in a specific region”. In: *J. Class. Anal* 18.1 (2021), pp. 29–37.
- [34] TA Rather and NA Rather. “TWO NEW PROBABILITY DISTRIBUTIONS”. In: *Operations Research* 1.2 (2021), pp. 175–185.
- [35] Ishfaq Dar and A Iqbal. “Some lower bounds for the derivative of certain Polynomials”. In: *ANNALI DELL’UNIVERSITA’ DI FERRARA* 66.2 (2020), pp. 295–300.
- [36] C Prabhakara et al. “Niclosamide inhibits SARS-CoV2 entry by blocking internalization through pH-dependent CLIC”. In: *GEEC endocytic pathway. bioRxiv* 2020.16.422529 (2020).
- [37] NA Rather, Ishfaq Dar, and A Iqbal. “On a refinement of Turán’s inequality”. In: *Complex Analysis and its Synergies* 6 (2020), pp. 1–5.
- [38] Nisar Ahmad Rather and Ishfaq Dar. “Some applications of the Boundary Schwarz lemma for Polynomials with restricted zeros”. In: *Applied Mathematics E-Notes* 20 (2020), pp. 422–431.
- [39] Nisar Ahmed Rather, Ishfaq Dar, and A Iqbal. “Generalizations of Eneström-Keakeya theorem and its extensions to analytic functions”. In: *J. Class. Anal* 16.1 (2020), pp. 37–44.
- [40] Suhail Gulzar, NA Rather, and FA Bhat. “The location of critical points of polynomials”. In: *Asian-European Journal of Mathematics* 12.07 (2019), p. 1950087.
- [41] NA Rather, Ishfaq Dar, and A Iqbal. “Inequalities for the derivative of polynomials with restricted zeros”. In: *arXiv preprint arXiv:1904.05302* (2019).
- [42] NA Rather and Suhail Gulzar. “A note on a recent attempt to prove Sendov’s conjecture”. In: *arXiv preprint arXiv:1903.04026* (2019).
- [43] N A Rather and T A Rather. “Refinements of Gaussian Tail Inequality”. In: *Asian Journal of Probability and Statistics* 1.3 (2018), pp. 1–8.
- [44] S Gulzar and NA Rather. “On a Composition Preserving Inequalities between Polynomials”. In: *Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences)* 53 (2018), pp. 21–26.
- [45] NA Rather, Suhail Gulzar, and KA Thakur. “Some inequalities concerning integral estimates for polynomials”. In: *Journal of Interdisciplinary Mathematics* 21.7-8 (2018), pp. 1481–1490.
- [46] NA Rather, A Iqbal, and HG Hyun. “Integral inequalities for the polar derivative of a polynomial”. In: *Nonlinear Functional Analysis and Applications* (2018), pp. 381–393.

- [47] Nisar Ahmad Rather and Sumeera Shafi. “A Refinement Of An Integral Inequality For The Polar Derivative Of A Polynomial”. In: *Applied Mathematics E-Notes* 18 (2018), pp. 189–196.
- [48] W Bari and NA Rather. “Sensitivity of multiplicity fluctuations to rapidity in high-energy nucleus-nucleus interactions”. In: *Ukrainian journal of physics* 62.1 (2017), pp. 12–12.
- [49] Suhail Gulzar and NA Rather. “Inequalities concerning the polar derivative of a polynomial”. In: *Bulletin of the Malaysian Mathematical Sciences Society* 40 (2017), pp. 1691–1700.
- [50] Suhail Gulzar, NA Rather, and KA Thakur. “Bounds for the zeros of complex-coefficient polynomials”. In: *Annales mathématiques du Québec* 41 (2017), pp. 105–110.
- [51] NA Rather and Mohammad Ibrahim. “Generalization of the Grace theorem”. In: *The Journal of the Indian Mathematical Society* (2017), pp. 269–272.
- [52] NA Rather and M Kawoosa. “INTEGRAL MEAN ESTIMATES FOR THE POLYNOMIALS”. In: *Nonlinear Functional Analysis and Applications* (2017), pp. 749–761.
- [53] NA Rather and TA Rather. “New generalizations of exponential distribution with applications”. In: *Journal of Probability and Statistics* 2017.1 (2017), p. 2106748.
- [54] Nisar Ahmed Rather and Faroz Ahmad Bhat. “Inequalities for the polar derivative of a polynomial”. In: *Applied Mathematics E-Notes* 17 (2017), pp. 231–241.
- [55] Suhail Gulzar Mattoo. “On an Inequality of S Bernstein and Estimates for the Moduli of the Zeros of a Polynomial”. In: (2016).
- [56] NA Rather, Suhail Gulzar, and KA Thakur. “Some L_p Inequalities Concerning the Polar Derivative of a Polynomial.” In: *Southeast Asian Bulletin of Mathematics* 40.6 (2016).
- [57] Nisar Ahmad Rather and Faroz Ahmad Bhat. “ON THE ZEROS OF DERIVATIVES OF A POLYNOMIAL”. In: (2016).
- [58] Nisar Ahmed Rather, Suhail Gulzar, and SH Ahangar. “Inequalities involving the integrals of polynomials and their polar derivatives”. In: *Jour. Class. Anal* 8 (2016), pp. 59–64.
- [59] MH Gulzar and NA Rather. “Location of the Zeros of Polynomials”. In: *Thai Journal of Mathematics* 13.2 (2015), pp. 459–463.
- [60] Suhail Gulzar Mattoo and NA Rather. “Location of the Zeros of Polynomials”. In: *Thai Journal of Mathematics* 13.2 (2015), pp. 461–465.
- [61] NA Rather, Suhail Gulzar, and SH Ahangar. “Some extensions of Enestrom-Kakeya Theorem”. In: *arXiv preprint arXiv:1511.02333* (2015).
- [62] NA Rather, Suhail Gulzar, and KA Thakur. “GROWTH OF A POLYNOMIAL NOT VANISHING INSIDE A DISK”. In: *Nonlinear Functional Analysis and Applications* 20.3 (2015), pp. 479–489.
- [63] NA Rather, Suhail Gulzar, and KA Thakur. “RATE OF GROWTH OF POLYNOMIALS NOT VANISHING INSIDE A DISK”. In: *Nonlinear Functional Analysis and Applications* 20.1 (2015), pp. 97–107.
- [64] Abdul Aziz and Nisar Ahmed Rather. “Location of the zeros of trinomials and quadrinomials”. In: *Math. Inequal. Appl* 17.3 (2014), pp. 823–829.
- [65] Suhail Gulzar and NA Rather. “On the Enestrom-Kakeya Theorem”. In: *Acta Mathematica Universitatis Comenianae* 83.2 (2014), pp. 291–302.
- [66] Suhail Gulzar and Nisar A Rather. “Refinements of some inequalities concerning the polar derivative of a polynomial”. In: *Functiones et Approximatio Commentarii Mathematici* 51.2 (2014), pp. 269–283.
- [67] NA Rather and SH Ahangar. “ L_p MEAN ESTIMATES FOR B-OPERATORS”. In: *Nonlinear Functional Analysis and Applications* 19.3 (2014), pp. 341–357.
- [68] NA Rather, SH Ahangar, and Suhail Gulzar. “On the polar derivative of a polynomial”. In: *arXiv preprint arXiv:1403.2270* (2014).
- [69] NA Rather and Suhail Gulzar. “Generalization of an inequality involving maximum moduli of a polynomial and its polar derivative”. In: *Nonlinear Functional Analysis and Applications* 19.2 (2014), pp. 213–221.
- [70] NA Rather and Suhail Gulzar. “On an inequality concerning the polar derivative of a polynomial with restricted zeros”. In: *arXiv preprint arXiv:1404.6600* (2014).

- [71] NA Rather and Suhail Gulzar. “On the Eneström-Kakeya theorem”. In: *Acta Math. Univ. Comenianae* 83.2 (2014), pp. 291–302.
- [72] NA Rather and Mushtaq A Shah. “On the location of zeros of a polynomial with restricted coefficients”. In: *Acta et commentationes universitatis tartuensis de mathematica* 18.2 (2014), pp. 189–195.
- [73] Nisar Ahmad Rather, Faroz Ahmad Bhat, and Suhail Gulzar. “Some L_r inequalities involving the polar derivative of a polynomial”. In: *Applied Mathematics E-Notes* 14 (2014), pp. 116–122.
- [74] RN Ahmed and Suhail Gulzar. “AN L_p INEQUALITY FOR POLYNOMIALS NOT VANISHING IN A DISK”. In: *International Journal of Applied Mathematics* 26.2 (2013), pp. 221–231.
- [75] A Aziz and NA Rather. “Inequalities for the derivative of a polynomial with restricted zeros”. In: *Nonlinear Functional Analysis and Applications* (2013), pp. 13–24.
- [76] Abdul Aziz and Nisar Ahmed Rather. “Bounds for the zeros of a class of Lacunary-type polynomials”. In: *Journal of Mathematical Inequalities* 7.3 (2013), pp. 445–452.
- [77] NA Rather and Faroz Ahmad. “On the critical points of a polynomial”. In: *BIBECHANA* 9 (2013), pp. 28–32.
- [78] NA Rather, Q Aliya, and KA Thakur. “A REMARK ON AN INTEGRAL INEQUALITY FOR THE B-OPERATORS”. In: *Nonlinear Functional Analysis and Applications* 17.3 (2013), pp. 383–396.
- [79] NA Rather and Suhail Gulzar. “Certain compact generalizations of well-known polynomial inequalities, Aust”. In: *J. Math. Anal. Appl* 10 (2013), pp. 1–16.
- [80] NA Rather and Suhail Gulzar. “Integral mean estimates for polynomials with restricted zeros”. In: (2013).
- [81] NA Rather and Suhail Gulzar. “ L_p mean estimates for an operator preserving inequalities between polynomials”. In: *arXiv preprint arXiv:1306.0714* (2013).
- [82] NA Rather and MA Shah. “AN L_p INEQUALITY FOR POLYNOMIALS”. In: *Nonlinear Functional Analysis and Applications* 17.1 (2013), pp. 119–130.
- [83] NA Rather and Mushtaq A Shah. “On an operator preserving L_p inequalities between polynomials”. In: *Journal of Mathematical Analysis and Applications* 399.1 (2013), pp. 422–432.
- [84] Nisar Rather, Suhail Gulzar, Khursheed Ahmad Thakur, et al. “Zygmund-type inequalities for an operator preserving inequalities between polynomials”. In: *arXiv preprint arXiv:1304.0444* (2013).
- [85] Nisar A Rather and Showkat A Zargar. “New operator preserving L_p inequalities between polynomials”. In: *Adv. Inequal. Appl.* 2.1 (2013), pp. 31–60.
- [86] Nisar Ahmad Rather and Sajad Hussain Ahangar. “Some L_p Inequalities for B-Operators”. In: *Applied Mathematics* 4.1 (2013), pp. 155–166.
- [87] Nisar Ahmad Rather and Suhail Gulzar. “On annulus containing all the zeros of a polynomial”. In: *arXiv preprint arXiv:1312.0135* (2013).
- [88] Nisar Ahmed Rather and Suhail Gulzar. “Inequalities for the polar derivative of a polynomial”. In: *arXiv preprint arXiv:1303.0068* (2013).
- [89] A Aziz and NA Rather. “SOME NEW GENERALIZATIONS OF ZYGMUND-TYPE INEQUALITIES FOR POLYNOMIALS”. In: *Rn* 1 (2012), p. 2.
- [90] N. A. Rather, K. Boubaker, and M. A. Shah. “New Inequalities for the B-Operators”. In: *Nonlinear Functional Analysis and Applications* 17.3 (2012), pp. 285–300.
- [91] NA Rather and Suhail Gulzar. “Extension of some polynomial inequalities to the polar derivative”. In: *Int. J. Appl. Math* 25.6 (2012), pp. 845–855.
- [92] NA Rather and Suhail Gulzar. “Inequalities for the polar derivative of a polynomial”. In: *Journal of Contemporary Applied Mathematics-ISSN: 2222-5498* 2.2 (2012).
- [93] NA Rather and Suhail Gulzar. “Integral mean estimates for an operator preserving inequalities between polynomials”. In: *Rn* 1 (2012), p. 2.
- [94] NA Rather and Mushtaq A Shah. “An Operator Preserving L_p Inequality Between Polynomial”. In: *Journal of Contemporary Applied Mathematics-ISSN: 2222-5498* 2.2 (2012).
- [95] Nisar A Rather and Mushtaq A Shah. “An inequality for the polar derivative of a polynomial”. In: *Advances in Inequalities and Applications* 1.1 (2012).

- [96] Nisar A Rather and Mushtaq A Shah. “On the derivative of a polynomial”. In: *Applied Mathematics* 3.7 (2012), pp. 746–749.
- [97] Nisar Ahmad Rather and Mushtaq Ahmad Shah. “Some new generalizations and extensions of Enestrom-Kakeya theorem”. In: *Journal of Contemporary Applied Mathematics-ISSN: 2222-5498* 2.2 (2012).
- [98] Mushtaq A Shah and Nisar A Rather. “An inequality for the polar derivative of a polynomial”. In: *Adv. Inequal. Appl.* 1.1 (2012), pp. 33–42.
- [99] Abdul Aziz, Nisar A Rather, et al. “L p inequalities for polynomials”. In: *Applied Mathematics* 2.03 (2011), p. 321.
- [100] Faroz Ahmad Scholar Bhat and Nisar Ahmad Rather. “Bounds for the Moduli of the zeros of a Polynomial”. PhD thesis. 2011.
- [101] NA Rather. “Some integral inequalities for polynomials”. In: *Southeast Asian Bulletin of Mathematics* 33.2 (2009), pp. 341–348.
- [102] Abdul Aziz, Nisar Ahmed Rather, and Q Aliya. “Lq norm inequalities for the polar derivative of a polynomial”. In: *Math. Ineq. and Appl* 11 (2008), pp. 283–296.
- [103] Sajad Masood et al. “Physical Form of the Clustering Parameter and Gravitational Galaxy Clustering”. In: *EJTP* 5.17 (2008), pp. 73–90.
- [104] NA Rather. “Some integral inequalities for the polar derivative of a polynomial”. In: *Math. Balkanica (NS)* 22.3-4 (2008), pp. 207–216.
- [105] Nisar A Rather. “Lp inequalities for the polar derivative of a polynomial”. In: *J. Ineq. Pure Appl. Math* 9 (2008), pp. 1–10.
- [106] A Aziz and NA Rather. “On an inequality concerning the polar derivative of a polynomial”. In: *Proceedings Mathematical Sciences* 117 (2007), pp. 349–357.
- [107] NA Rather and Shakeel Ahmad. “A remark on the generalization of Enestrom–Kakeya theorem”. In: *Journal of analysis & computation* 3.1 (2007), pp. 33–41.
- [108] NA Rather and MI Mir. “INTEGRAL INEQUALITIES FOR POLYNOMIALS”. In: *International Journal of Pure and Applied Mathematics* 34.1 (2007), p. 55.
- [109] NA Rather and MI Mir. “Some refinements of inequalities for the polar derivative of polynomials with restricted zeros”. In: *Int. J. Pure and Appl. Math* 41 (2007), pp. 1065–1074.
- [110] NA Rather and A Shakeel. “Simnani and Mir MI, On the Eneström-Kakeya theorem”. In: *Int. J. Pure and Appl. Math* 41 (2007), pp. 807–815.
- [111] NA Rather, Shakeel A Simnani, and MI Mir. “On the Eneström-Kakeya theorem”. In: *Int. J. Pure and Appl. Math* 41 (2007), pp. 807–815.
- [112] Abdul Aziz and Nisar Ahmad Rather. “Some compact generalizations of Bernstein-type inequalities for polynomials”. In: *MATHEMATICAL INEQUALITIES AND APPLICATIONS* 7 (2004), pp. 393–404.
- [113] A Aziz and NA Rather. “Inequalities for the polar derivative of a polynomial with restricted zeros”. In: *Math. Bulk* 17 (2003), pp. 15–28.
- [114] A Aziz and NA Rather. “On an inequality of S. Bernstein and the Gauss-Lucas theorem”. In: *Analytic and geometric inequalities and applications* (1999), pp. 29–35.
- [115] Abdul Aziz and Nisar Ahemad Rather. “Growth of maximum modulus of rational functions with prescribed poles”. In: *J. Math. Inequal. Appl* 2.2 (1999), pp. 165–173.
- [116] Abdul Aziz and Nisar Ahmad Rather. “New integral mean estimates for polynomials”. In: *Proceedings of the Indian Academy of Sciences-Mathematical Sciences*. Vol. 109. Springer India. 1999, pp. 65–74.
- [117] Abdul Rather et al. “Some compact generalizations of Zygmund-type inequalities for polynomials.” In: *Nonlinear studies* 6.2 (1999).
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- [119] Abdul Aziz and Nisar Ahmed Rather. “A refinement of a theorem of Paul Turán concerning polynomials”. In: *Math. Inequal. Appl* 1.2 (1998), pp. 231–238.

- [120] NA Rather. “Extremal properties and location of the zeros of polynomials”. PhD thesis. Ph. D. Thesis, University of Kashmir, 1998.
- [121] Abdul Aziz and Nisar Ahmad. “Inequalities for the derivative of a polynomial”. In: *Proceedings-Mathematical Sciences* 107 (1997), pp. 189–196.
- [122] Abdul Aziz and NA Rather. “If INEQUALITIES FOR POLYNOMIALS”. In: *Glasnik matematički* 32.1 (1997), p. 39.
- [123] Abdul Aziz and N Ahemad. “Integral mean estimates for polynomials whose zeros are within a circle”. In: *Glasnik Matematički* 31 (1996), pp. 229–238.
- [124] ABDUL Aziz and NISAR Ahmad. “A compact generalization of Walsh’s two-circle theorems for polynomials and rational functions”. In: *INDIAN JOURNAL OF PURE AND APPLIED MATHEMATICS* 27 (1996), pp. 785–790.

SKILLS

- **Soft Skills:** Creative thinking, Administrating, Coordination, Teaching, Student assistance, Curriculum selection, Committee Support
- **Technical Skills:** \LaTeX , MS Office Suite
- **Research Skills:** Real Analysis, Complex Analysis, Functions of a Complex Variable, Polynomials

HONORS AND AWARDS

- **Certificate of Merit**
Directorate of Internal Quality Assurance, University of Kashmir
 - Award based on assessment research publications in indexed journals
- **Excellent Grade**
Internal Quality Assurance Cell, University of Kashmir
 - Award given by Vice-Chancellor based on student assessments in teaching

AFFILIATIONS & MEMBERSHIPS

- **Reviewer**, American Mathematical Society
- **Referee**, Journal of Complex Analysis and Operator Theory
- **Referee**, Journal of Mathematical Analysis and Applications
- **Referee**, Indian Journal of Pure and Applied Mathematics
- **Referee**, Journal of Mathematical Inequalities
- **Referee**, Mathematical Inequalities and Applications
- **Referee**, Journal of Applied Mathematics
- **Resource Person**, for Refresher Course conducted by the Director, State Education Department, Govt. of J and K in collaboration with PG Dept. of Mathematics, University of Kashmir *May 1st - May 9th, 2002*
- **Resource Person**, for Refresher Course conducted by the Academic Staff College (ASC), University of Kashmir, Srinagar in collaboration with PG Department of Mathematics, University of Kashmir
- **Resource Person**, for the Department of Statistics and B Pharmacy, University of Kashmir in their Academic Programs of Master’s as well as Bachelor’s level
- **Resource Person**, in Interactive Programme organized by Doordarshan Kendra Srinagar regarding Mathematics at the secondary school level. The programme was televised live *19th Sept. 2007*
- **Resource Person/Expert**, during a Three-Day Workshop on “Development of Mathematical Curriculum for Intermediate Level” organized by J&K Board of School Education *2004*
- **Resource Person/Reviewer**, for Mathematical books authored by different individuals, reviewed and recommended for final publication by the J&K Board of School Education
- **Convener**, organized a nine-day workshop on Non-Linear Functional Analysis and its Applications (NFAA) in collaboration with IIT Bombay supported by DST, Govt. of India *21st - 29th Oct. 2013*

SUBJECTS TAUGHT

- Real Analysis
- Complex Analysis
- Differential Equations (ODE)
- Theory of Equations
- Differential Calculus
- Integral Calculus
- Matrices
- Polynomial Theory
- Biostatistics

WORKSHOPS/CONFERENCES/SEMINARS ATTENDED

- Attended workshop on “Review of Mathematics and Statistics Curriculum” at +2 stages conducted by Curriculum Development and Research Wing of J and K Board at P.G. Department of Mathematics and Statistics, University of Kashmir, Srinagar from 19th July to 27th July 1999
- Attended workshop on Review of Mathematics Curriculum at secondary level organized by JK Board in collaboration with Department of Mathematics at Kashmir University, June 3rd – June 6, 2005
- Attended the 16th Annual Conference of Jammu Mathematical Society held at the University of Jammu, Jammu on March 1, 2006, and delivered a talk at the conference
- Attended the 4th JK Science Congress organized by Kashmir University in collaboration with DST GOI in 2008 and presented a paper
- Attended International Congress on Industrial and Applied Mathematics at Jammu University, Jammu (March 31st – April 3, 2007)
- Attended the 8th Conference of Indian Society of Industrial and Applied Mathematics at Jammu University, Jammu (March 31st – April 3, 2007)
- Attended the 17th Annual Conference of Jammu Mathematical Society and presented a paper at the Conference at Jammu University, Jammu (March 31st – April 3, 2007)
- Attended the 6th JK Science Congress at Kashmir University and presented a paper (2010)
- Attended International Conference on Differential Geometry, Functional Analysis and Applications at JMI and presented a paper (8 – 10th, Sept 2012)
- Attended the 9th JK Science Congress and Regional Science Congress at Kashmir University and presented a paper (2013)

TRAINING/COURSES

- Attended UGC-sponsored Refresher Course organized by the Academic Staff College, The University of Kashmir, Srinagar in Kashmir from July 2-June 22, 1997
- Attended UGC-sponsored General Orientation Course organized by Academic Staff College, University of Kashmir, Srinagar held from June 6 - July 5, 2003

MEMBERSHIPS HELD

- Member of the University Council, University of Kashmir
- Member, Board of Undergraduate Studies in Mathematics, University of Kashmir, Srinagar
- Member, Board of Postgraduate Studies in Mathematics, University of Kashmir, Srinagar
- Member, Board of Undergraduate Studies in Statistics, University of Kashmir, Srinagar
- Member, Board of Postgraduate Studies in Statistics, University of Kashmir, Srinagar
- Member, Board of Studies in B Pharmacy, University of Kashmir, Srinagar and guest faculty member of the department from last 10 years
- Member of Central purchase Committee, University of Kashmir
- Member of Board of Sports, University of Kashmir
- Member of Kashmir Mathematical Society, Kashmir
- Member of Board of Undergraduate and Postgraduate studies in physical education, University of Kashmir
- Member JK Cricket Association (affiliated unit of BCCI)
- Member Board of Under Graduate Studies in Business and Financial Studies, 2010, University of Kashmir
- Member of Board of Post Graduate Studies in Physics, University of Kashmir
- Member of Academic Council, University of Kashmir
- Member Board of Studies, Islamia College of Science & Commerce
- VC nominee for RPAC/Observer, Institute of Kashmir Studies, University of Kashmir

ADDITIONAL INFORMATION

Publications: More than 120 published research papers

PhD and M.Phil: Guided more than 12 scholars, now working in various higher educational institutions

Memberships: Have served on various important University Committees such as University Council and Academic Council

Specialization: Real & Complex Analysis, Mathematical Statistics, Extremal Properties of Polynomials, Analytic Theory of Polynomials, Approximation Theory