

CURRICULUM VITAE

Name: Dr. Bashir Ahmad Zargar
Parentage: Ghulam. Ahmad Zargar
Permanent Residence: Kreeri ,District Baramullah.
Kashmir, India
Posting: Department of Mathematics , University of Kashmir,
(NAAC A Grade)
Designation: Professor
E-mail: bazargar@gmail.com
Department: Department of Mathematics
Marital Status Married



Academic Qualification

1. Ph. D in Mathematics K.U 1996
2. M. phil in Mathematics K.U.1994
3. P.G in Mathematics K.U
4. B.Ed. , M.A Sociology K.U
5. Specialization in **Complex Analytic Function Theory of polynomials,**
6. Subjects taught: Methods of applied mathematics, Differential geometry,, Operations Research, Calculus , Fourier Series, complex Analysis, ,Numerical Analysis. etc.

Teaching Experience

1. Under graduate level : 7 years
 - 2 .Post graduate level : 14years
 3. Research Experience : 21 years
- Experience of teaching at KSA and Sultan Qaboos University, Oman.

Teaching Grade :

Received Excellent Grade for teaching from Vice- Chancellor KU

Invitations and Honours Received

- (i) Received an offer from QUEEN ELIZABETH University Bed ford square London for appointment on 13th Dec.2010.
- (ii) Presented a paper in the international conference on “Function Space and its Applications in Partial Differential Equations” organized in the Faculty of Mathematical sciences at Delhi from 15 – 19 of Dec. 1997.
- (iii) Delivered an invited talk in the annual conference of Jammu Mathematical Society in a Seminar on Analysis, Geometry and Applications on Feb, 23-25, 1998 organized jointly by University of Jammu and NBHM.
- (iv)Invited by international Federation on Non-linear analysis, held in Catania, Sicily, Italy, July 19-26-2000.
- (v) My name has been included in international directory of Distinguished leadership, Published by American Biographical institute, INC North Carolina, USA.
- (vi) Approved as guide by University of Kashmir to supervise M.phil and Ph.D Scholars.
- (vii) Attended a conference at Jammu conducted by Human AIDS society on Aug. 2002.
- (viii) Participated in National Seminar on “Applied Mathematics” organized by MAM collage Jammu and Jammu University from 3-4 June, 2005.

- (ix) Participated in 3-weeks workshop on capacity building programme on Multimedia and E-Content form 7-26 Nov. 2005
- (x) Acted as Resource Person in a 5 – day Orientation cum Training Programme in Mathematics conducted by J & K Board of School Education Srinagar from 2 to 6 Aug. 2005.
- (xi) Presented a paper in the annual conference organized by Jammu Mathematical society Jammu from 1st to 3rd March 2006.
- (xii) Presented a paper in 2nd J and K science congress organized Kashmir University Srinagar from 25 to 27 July 2006.
- (xiii) Presented a paper in international conference at Jammu University, March 2007.
- (xiv) Attended an international conference in Anand Engineering Collage Agra organized by GMS on 10 – 13 Jan 2008.
- (xv) Delivered an invited talk on Instructional Technology in Govt College of Education Srinagar , on 20th April 2009.
- (xvi) Presented a paper, 'Inequalities for a polynomial with prescribed zeros' in 6th JK Science Congress, at University of Kashmir, Srinagar .2010.
- (xvii) Presented a paper ' On an inequality of S.Bernstein' in a National Conference on Recent Advances in Applied Mathematics" organized by Department of Applied Sciences ITM university Delhi, Feb.2012.
- (xviii) Delivered an Invited talk ' On Hausdorff Geometry of Polynomials" in 22nd Annual Conference of JMS and National Seminar on recent Developments in Complex Analysis .organised by Department of Mathematics, Jammu University, Jammu 24-25,2012.
- (xix) Delivered a talk 'On inequalities for a Polynomials and its Derivative' and chaired a session in an International conference organized by Preston University and Quaide-Azam University Islamabad Pakistan,1-3,2012.
- (xx) Presented a paper" On Paul Turans Theorem'in 8th JK Science Congress 2012,organized by University of Kashmir ,JK State council and DST GOI.17-19,2012
- (xxi) Organised a 5 -day Teachers Training camp/workshop on mathematical Olympiad in Deptt, Mathematics Kashmir University, Sept, 10-16,2012.
- (xxii) Delivered a talk on Geometry in govt College of Education Srinagar on 26th of Sept,2012.
- (xxiii) Presented a paper on 'Role of Mathematics in everyday Life' in one day Seminar organized by S.P. College Srinagar 6th oct 201`2.
- (xxiv) Presented a paper 'On the Zeros of certain Class of polynomials' in a National Conference on analysis and Applications organized by Nit Srinagar. Nov.19-20,2012.
- (xxv) Delivered a talk in a national conference on 'Hausdorff Geometry of Polynomials" organized by Central University of rajasthan from 8-9 March, 2014.
- (xxvi) Delivered a talk in an international conference on 'Paul Turans Theorem" organized by Central University of Rajasthan from 10-13 March, 2014.
- (xxvii) Delivered a talk in an international conference" Analysis and its Applications" on 'Ilief-Sendoves Conjecture" organized by Punjabi University of Patiala from 31 Jan- 1st Feb, 2015.
- (xxviii) Delivered a talk in an on 17th international conference on Algebra and analysis, Islamabad, organized by Pakistan Mathematical Society in collaboration with Preston University Pakistan.5-8 August 2016.
- (xxix) Delivered an invited talk on 4th JK womens Sc conference on 1-3, Sept, 2016
- (xxx) .organised by G.Gandhi College Jammu on 1-3, Sept, 2016

- (xxxix) Presented a paper “Growth of polynomials” in International conference on Differential Geometry, Algebra and Analysis ,organized by Deptt. Math. Jamia Milia Islamia ,New delhi from 15-17 Nov.2016
- (xxxii) Delivered a talk in one day National Conference organized by department of Mathematics, university of Kashmir ,Srinagar on 23 Dec,2017.

Refresher Courses

1. Refresher Course from 5-10-2000 to 30-10-2000 organized by Academic Staff Collage, University of Kashmir.
2. Attended the refresher from 22-05-2006 to 10-06-2006 organized by Academic Staff College University of Kashmir .
3. Attended a training programme in Bio-Mathematics, operation Research at Jiva Ji University Gawalior M.P from 17 Dec 2005 to 9 Jan 2006
4. Attended an orientation Course from 15-2-2007 to 14-3-2007m organized by Academic staff college university of Kashmir, Srinagar.

Research Projects

1. Major research project on Bounds for the zeros and Extremal properties of polynomials sponsored by UGC, completed in 2015. Rs. 3,60,000 Overheads 15000=
2. Major research project on Growth of polynomials and Estimates for the zeros of a polynomial sponsored by NBHM sanctioned vide No 02011/36/2017/R&D ii on Oct,12, 2017. **Amount -+13,84,100 Received 2,21,500 Overheads 11,500**

Workshops Attended

- (i) As Resource Person for revising the Syllabus of Secondary and higher Secondary classes organized by Board of School Education Srinagar at University of Kashmir in 1999.
- (ii) As Resource Person at Kothibagh for conducting the workshop on Evaluation organized by Board of School Education in 2001.
- (iii) As Resource Person for the frame work of Higher Secondary School curriculum in Mathematics (workshop conducted by Board of School Education in March 2004)
- (iv) As an expert to revise the books written by A.K. Roy for 11th and 12th classes at Jammu Board officer, Rehari from 27-30 March 2005.
- (v) Attended a workshop organized by the Centre of Distance Education, University of Kashmir for training cum Development of Self learning print material on 26-27, 2005.
- (vi) Attended as a resource person in the orientation cum training programme organized by J and K State Board of School Education in College of Education from 3rd August to 7th August 2004.
- (vii) Attended Orientation cum training programme in Maths from 01-06 August, 2005 Organized by Board of School Education and Oxford Press.
- (viii) Attended a national seminar on Applied Mathematics from june,3-4,2005, organized by MAM post Graduate College Jammu.
- (ix) As a Resource Person for a seminar on “Why Mathematics s declining” organized by SIE Srinagar.
- (x) Participated in CMFT workshop 2008 held form 3rd to 10th Jan. 2008 at Don-Bosco Institute Gowhati organized by institution of Advanced Studies in Science and Technology.
- (xi) Participated in a 10 days workshop in complex dynamics and harmonic mappings organized by IIT Chennai at Chennai Madrass Nov. Dec. 2009.

- (xii) Attended a workshop in Jazan university KSA for MATLAB and MATHEMATICA in 2010.
- (xiii) Participated in one week workshop on Mathematica and Related Softwares from 24-Feb to 2 March 2014 organized by JKIMS.
- (x) Acted as resource person in 5-days short term course in mathematics at Govt. College of Education ,M.A.Road, Srinagar from 20-25, June 2016

Membership :-

- General Secretary, Kashmir mathematical society.
- Member American Math Society.
- Life member of Jammu mathematical society.
- Member of Indian mathematical society.
- Member of Board of Under Graduate and post – graduate studies, K.U.
- Member of Ramanujan Mathematical Society.
- Coordinator Mathematical Olympiad for J and K region.
- Coordinator directorate of Distance Education University of Kashmir Srinagar.
- Nodal officer NAAC Department of Maths, University of Kashmir Srinagar.
- Life member of Industrial Math, Society.
- Member of selection committee in Jazan university KSA.
- Coordinator Kashmir centre for ISI Kolkatta exams.

Books/Scripts written

1. Functions of several variables, Published by Directorate of Distance Education, University of Kashmir, Srinagar. 2009
2. Methods of Applied Mathematics, Published by Directorate of Distance Education, University of Kashmir, Srinagar. 2015
3. Ordinary Differential Equations, Published by Directorate of Distance Education, University of Kashmir, Srinagar. 2013
4. Operations Research I, Published by Directorate of Distance Education, University of Kashmir, Srinagar. 2013
5. Differential Geometry I. Published by Directorate of Distance Education, University of Kashmir, Srinagar. 2014
6. Operations Research II. Published by Directorate of Distance Education, University of Kashmir, Srinagar. 2014
7. Differential geometry II, Published by Directorate of Distance Education, University of Kashmir, Srinagar. 2015
8. Teaching of Mathematics, Published by Directorate of Distance Education, University of Kashmir, Srinagar. 2013
9. Elementary Matrix Algebra, for BA/B.Sc 2nd year Published by KBD, (ISBN)978-93-82790-00-6 Srinagar, 2013.
10. Theory of Equations for BA/B.Sc 2nd Year, Published by Kapoor Sons (ISBN), 978-81-923719-2-(1-137)2015

Publications: -

1. A.Aziz and B.A.Zargar, On the Zeros of a polynomial, : Proceeding Indian Academy of Sciences (Mathematical sciences) Vol. 106(6) 1996, P 127 – 132
2. A.Aziz and B.A.Zargar ,Some Extensions of Enestrom – Kakeya theorem : “Glasnick Matematiciki” Zagreb Croatia Vol. 51 1996., P 239 – 244
3. A.Aziz and B.A.Zargar ,On the critical points of polynomial : “Bull Austral Math” Vol. 57 1998, P 173 – 174
4. A.Aziz and B.A.Zargar ,Some inequalities for self-reciprocal polynomials : “Indian journal of pure and applied mathematics” Vol 27 (8) 1996, P 791 – 794
5. A.Aziz and B.A.Zargar ,On Self Reciprocal Polynomials, : Proceeding Indian Academy of sciences (Mathematical sciences)” Vol. 107(2) 1997, P 197 – 199
6. A.Aziz and B.A.Zargar ,Some Properties of Rational Functions with prescribed poles: “Bull. Canadian Math soc,” Vol 42 1999, P 417 – 426
7. A.Aziz and B.A.Zargar ,Inequalities for a polynomial and its derivative : “Journal of Mathematical inequalities and Applications” Croatia, Zagreb Vol. (1) No. 4, 1998.543-550.
8. B.A.Zargar,On the number of Zeros of a polynomial in a given region “Presented at 5th annual conference of JMS 1996, P 23 – 25
9. A.Aziz and B.A.Zargar ,Inequalities for a polynomial : “presented at international conference” at Delhi University in Dec. 1997.
10. A.Aziz and B.A.Zargar ,Growth of Maximum Modules of polynomial with prescribed Zeros “Glassnik Mathematicki” Zagrab Croatia Vol 37(57), 2002, P 73 – 81
11. B.A.Zargar ,On the Maximum Modulus of polynomials presented in a conference at Delhi University in 2002.
12. A.Aziz and B.A.Zargar ,On Gauss Lucas Theorem concerning the location of critical points of a polynomial “Bulkanika Matematika” Bulgarian Math society, Vol. 16, 2002 (1- 4), P 306 - 314
13. A.Aziz and B.A.Zargar ,Growth of Maximum Modulus of polynomials not vanishing in a disk : “Non- Linear Functional Analysis and Applications, Korea, Vol 11 (1) 2006, P 155 – 163
14. A.Aziz and B.A.Zargar ,Some Refinements of Enestrom- Kakeys Theorem, Analysis in Theory and applications, china Vol. 23 No 2 (2007) 129 – 137
15. A.Aziz and B.A.Zargar ,Inequalities for the Maximum modulus of the derivative of a polynomial. Journal of Inequalities in Pure and Applied Mathematics Australia, Vol. 8 issue 2 2007, 1 - 8
16. A.Aziz and B.A.Zargar ,Inequalities for the Sth derivative of a polynomial with prescribed Zeros, Non-Linier Functional Analysis and Applications, Korea, 2007. Vol. 13(1) 2008, 113 - 121
17. A.Aziz and B.A.Zargar ,On the Maximum Modulus of polynomials II. Presented in an international conference in delhi , Oct,2006,organized by IMS in Delhi university..
18. B.A. Zargar, On Enestrom – Kakeya TheoremII, presented at 61th conference of IMS Aligarh University in 1997.
19. B.A.Zargar, Inequalities concerning the integral mean estimates for polynomials with prescribed Zeros, Research Journal of pure Algebra,1(8).2011.184-189..
20. B.A.Zargar and M.H.Gulzar,,Inequalities for a polynomial, journal of South East Asian Bulletin China. 36(2012).654-662.
21. A.Aziz and B.A.Zargar ,On the Zeros of a Class of Polynomials and related Analytic Functions, Analysis in theory and Applications .china 28(2),2012,180-188.
22. A.Aziz and B.A.Zargar, Zero -Free Regions for Analytic Functions, J Non linear Functional Analysis and Appl.(NFAA) 16(1), 2011,115-121..

23. B.A.Zargar, On the Location of Zeros of a Polynomials . international journal of mathematical archive 2(3)(2011) 362-365..
24. B.A.Zargar, Zero-Free Regions for Polynomials with Restricted Coefficients, International J..Math. Sc.and Engg.Appls.6(4),2012,33-42.
25. B.A.Zargar,Some Compact Generalization of Enestromakey Type Theorem for Polynomials. Pan American Mathematical Journal,21(3),(2011).43-50.
26. A.Aziz and B.A.Zargar ,Bounds for the Zeros of a Polynomial with Restricted Coefficients Applied Mathematics 13(3),30-33. 2012
27. B.A.Zargar, On The Zeros of certain class of Polynomials, IJMER,2(6),2012,4363-4372..
28. B.A.Zargar, On S, Bernsteins Theorem , Proceedings of Recent advances in applied mathematics ITM, ,1,2012
29. B.A.Zargar, Some Generalisations of Paul Turan's Inequality involving Polar Derivativeof a polynomial, Journal of Advanced research in Mathematics, Vol. 5, Issue. 4, 2013,11-20
30. B.A.Zargar,On Enestromakey Theorem,International j. of Engineering sc and research techonology (IJESRT,#(4) ,2014,) .1-10.
31. B.A.Zargar, On the Distribution of the zeros of Lacunary type of Polynomials. International Journal of applied SciencesIRA,3(3),2016.402-411, ISSN 2455-4499,
32. B.A.Zargar, On the zeros of Family of Polynomials, International journal of mathematical sciences and Engineering applications 8(1) 2014,233-237.
33. B.A.Zargar, Inequalities for the Polar Derivatives of a Polynomial, Analysis in Theory and applications, Vol. 30, No. 4 (2014), pp. 425-432
34. B.A.Zargar,G.M.Wani ,On the Distribution of the zeros of a Polynomial .IJESRT 4(3),2015,624-629.
35. B.A.Zargar,On an Inequality of Paul Turan, MATEMATIQKI VESNIK 66, 2 (2014), 148-154
36. B.A.Zargar, On Enestromakey Theorem, Mathematical j.Interdisciplinary Sciences, vol.3(1),1-8
37. B.A.Zargar. M.A.Wali, Zero-Free Regions for the derivative of a Polynomial, Bibichanna, 14(2017), 48-53.
38. B.A.Zargar M.A.Wali, ,Inequalities concerning the growth of polynomials SQU journal of science, 23(1),2018, 68-72.
39. B.A.Zargar , M.A.Wali,,Some Generalisations of Browns Conjecture,International J .Non-linear Anal. Appl. 7 (2016) 345-349.
40. B.A.Zargar , Shaista Bashir, Maximum Modulus of Polynomials, Analysis in Theory and Applications 33(2)2017,110-117
41. B.A.Zargar Manzoor and ,Shaista,,Inequalities concerning the maximum Modulus of Polynomials Analysis in Theory and Applications,34(2),2018,175-186.
42. M.H.Gulzar and B.A.Zargar, On the Regional Location of the zeros of a polynomial,5(6) 2016,2278-7844
43. M.H.Gulzar and B.A.Zargar ,,Zero -Bounds for Polynomials.JAFRSE.1(3).2014,17-25.
44. B.A.Zargar and M.A..Wali.,Inequalities for a Polynomial having t fold Zeros at origen. Mathematical Journal of Inequalities and Applications,Submitted,2016
45. B.A.Zargar and Shaista, ,Maximum Modulus of Polynomials,analysis in Theory and Applications 33(2)2017,110-117
46. M. H. Gulzar, B.A.Zargar and M.A.Abdullah, On the Regional Location of Zeros Of a Polynomial, IJAIR, Vol.5 Issue 6(June 2016), 240-244.

47. .M. H. Gulzar , B.A.Zargar and A.W.Manzoor, Regional Location of Zeros of a Polynomial, International Journal of Advanced Scientific and Technical Research, 7(1)(January-February 2017), 277-281, ISSN 2249-9954.
48. .M. H. Gulzar , B.A.Zargar and A.W.Manzoor, On the Zeros of a Family of Polynomials, International Journal of Engineering Technology and Management (IJETM), 4(1) (January-February 2017),07-10, ISSN 2394-6881.
49. . M. H. Gulzar , B.A.Zargar and A.W.Manzoor, Zeros of a Certain Class of Polynomials, International Journal of Engineering Sciences and Research Technology, 6(3) (March 2017), 62-72, ISSN 2277-9655
50. . M. H. Gulzar , B.A.Zargar and A.W.Manzoor, Location of Zeros of Polynomials , IJCER, 7(3) (March 2017) ,9-15, ISSN 2250-3005.
51. . M. H. Gulzar , B.A.Zargar and A.,W.Manzoor, Zeros of a Polynomial with Restricted Coefficients, International Research Journal of Advanced Engineering and Science, 2(1) (2016), 174-176, ISSN 2455-9024.
52. . M. H. Gulzar , B.A.Zargar and A.W.Manzoor, Number of Zeros of a Polynomial in a closed Disc, International Journal of Current Advanced Research, 6(2) (February 2017), 2081-2086, ISSN 2319-6475.
53. . M. H. Gulzar , B.A.Zargar and A.W.Manzoor, Zeros of Polynomials, International Journal Of Recent Scientific Research, 8(2)(February 2017)15562-15570, ISSN 0976-3031.
54. . M. H. Gulzar and B.A.Zargar, Zero Bounds for Polynomials, Int. Journal of Advance Foundation and Research in Science and Engineering, Vol. 1 Issue 3, 2014, ISSN 2349-4794.
55. B.A.Zargar, M.A.wali, Growth of polynomials whose zeros are outside the unit circle, communications on Applied Non-linear Analysis,25(3), 2018,52-58.

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