

Name: Idrees Qasim
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Nationality: Indian
DOB: 01/03/1989
Designation: Assistant Professor (GII, L11), Department of Mathematics, NIT Srinagar
Area of Specialization: Complex Analysis, Hypercomplex Analysis



SUMMARY, AWARDS AND ACHIEVEMENTS

- M.Sc. Mathematics (**Gold-Medalist**) from University of Kashmir.
- **Cash Price and Merit Certificate Awarded** by University of Kashmir for overall Performance in M.Sc.
- SET (State Eligibility Test for Assistant Professor) Mathematics Qualified.
- NET (National Eligibility Test) Mathematics Qualified.
- **Inspire Fellowship Awarded** under ID (IF130798) by Department of Science and Technology, New Delhi, India.
- Ph.D. Mathematics from National Institute of Technology, Srinagar, India.
- Developed the Android App **Inspire Maths** for undergraduate Mathematics students, which has 179000 installs and a rating of 4.1.
- Worked with Chegg.com and GotIt as SME (Subject Matter Expert) and Tutor with Vedanta.
- Presently Working as Assistant Professor Mathematics, NIT Srinagar.

TEACHING INTERESTS

- Complex Analysis
- Abstract Algebra
- Ordinary Differential Equations
- Partial differential equations
- Calculus
- Linear Algebra
- Numerical Methods
- Theory of Matrices
- Real Analysis

ACADEMIC QUALIFICATION:

S.No	Degree	Subjects	University/college	Rank
01	B.Sc	Math, Physics, Geography, English	Govt. Degree College Handwara	First
02	M.Sc	Mathematics	University of Kashmir	First <i>Gold Medalist</i>
03	Ph.D	Mathematics	NIT, Srinagar	A ⁺
04	NET	Mathematics	CSIR	14
05	SET	Mathematics	UGC	01
06	Inspire Fellowship Awarded	Mathematics	DST	

TEACHING EXPERIENCE

- Experienced in teaching courses: Complex Analysis, Calculus, Linear Algebra, Ordinary and Partial Differential Equations, Theory of Matrices, Theory of equations, Real Analysis, Numerical Analysis, Topology, Abstract Algebra, Integral Calculus, etc. at National Institute of Technology, Srinagar.
- Taught Complex Analysis, Calculus, at Central University of Kashmir for seven Months.
- Involved in conducting Examinations of B. Tech., M. Tech. and M. Phil. Students and organizing Workshops/ Conferences.
- Designed and modified curriculum of various B. Tech., Semesters. Preparing administering, grading assignments of students.

INTERNATIONAL PUBLICATION:

1. **Idrees Qasim**, A. Liman, *Bernstein type Inequalities for Rational Functions*, Indian J. of pure and Appl. Math. **46**(3): 337-348, June 2015.
2. A. Liman, **I.Q. Peer**, W. M. Shah, *On Bernstein type Inequalities for Polar derivative of Polynomial*. The Ramanujan Journal, 38: 349–360, 2015.

3. **Idrees Qasim**, A. Liman and W.M. Shah, Refinement of some Bernstein type inequalities for B_n operator of polynomials, *Periodica Mathematica Hungarica*. **74**(1): 1-10, 2017.
4. **Idrees Qasim**, "New Integral Mean Estimates for the Polar Derivative of a Polynomial", *Lobachevskii Journal of Mathematics*, **39**(09): 1407-1418, 2018.
5. **Idrees Qasim**, "Bernstein-Type Inequalities Involving Polar Derivative of a Polynomial", *Lobachevskii Journal of Mathematics*, 2021, Vol. 42, No. 1, pp. 173–183.
6. **Idrees Qasim**, "Refinement of Bernstein-Type inequalities for Rational Functions, *Problemy Analiza-Issues of Analysis*, 11 (29), 1, 2022, pp. 122–132
7. **Idrees Qasim**, Tawheeda Rasool, Abdul Liman, Number of Zeros of a Polynomial (Lacunary-Type) in a Disk, *Journal of Mathematics and Applications*, **41**: 181-194, 2018.
8. **Idrees Qasim**, Tawheeda Rasool, Abdul Liman, Location of Zeros of Lacunary-Type Polynomials, *Journal of Mathematics and Applications*, **41**: 171-180, 2018.
9. A. Liman, **Idrees**, on some Bernstein type Inequalities, *International Journal of Modern Mathematical Sciences*, 2013, **82**, 96-101.
10. **Idrees Qasim**, Tawheeda Rasool, Number of zeros of Analytic Functions in a Disk, *IJARSE*, 2017, **06**(01), 953-962.
11. **Idrees Qasim**, A. Liman, An integral Mean Estimate For the Polar Derivative of a Polynomial whose zeros are within a Circle, *IJARSE*, 2018, **07**(10), 232-237.
12. **Idrees Qasim**, Tawheeda Rasool, Number of zeros of Polynomial in a Disk, *IJARSE*, 2017, **06**(03), 435-442.
13. **Idrees Qasim**, Inequalities for self-inversive rational functions, *Boletim da Sociedade Paranaense de Matematica* (accepted).

LIST OF CONFERENCES/WORKSHOPS ATTENDED/COORDINATED

1. Presented a paper “On some Bernstein type inequalities concerning polar derivative of a polynomial” in ICSFA at School of Mathematics and computer Applications, Thapar University, Patiala during 16-18 Oct. 2014.
2. Presented a paper “Refinement of some Bernstein-type Inequalities for B_n operator of polynomials with restricted zeros”, in national conference on complex analysis and applications, at NIT Srinagar, on 17 April-2016.
3. Presented a paper, “On Some Bernstein Type Inequalities”, in National Conference on Analysis and Applications on November 19-20, 2012.
4. Presented a paper “Number of zeros of an Analytic Function in a Disk”, in International Conference on recent Innovations in Science, Agriculture, Engineering and Management, at University College of Computer Applications Guru Kashi University on 20th Nov. 2017.
5. Presented a Paper “Number of zeros of a polynomial in a Disk”, in One Day National Conference on “Recent Innovations in Science, Technology and Engineering” at NIT Srinagar, on 16 Dec. 2017.
6. Presented a Paper “An integral Mean Estimate for the Polar Derivative of a Polynomial whose zeros are within a Circle”, in National Conference on new Frontiers of Engineering, Science, Management, Humanities at School of Electronics and communication engineering REVA University, Bengaluru 12th -13th Oct. 2018.
7. Participated in NBHM sponsored Programme AFS-II workshop at KSOM during 2nd -28th Dec. 2013.
8. Participated in Mini MTTS Programme organized by JKIMS during 2015.
9. Participated in Mini MTTS Programme organized by JKIMS from 2nd -12th August 2014.
10. Participated in workshop on MATHEMATICA and related software held at JKIMS from 24th – 30 Feb 2014.
11. Participated in TECHVAGANZA at National Institute of Technology, Hazratbal, Srinagar from 24th -26th May 2014.

12. Coordinated MTTTS two weeks online programme for Jammu and Kashmir from 15/01/2022 to 29/01/2022.

JOURNALS AND PUBLICATION HOUSES REVIEWED:

- Korean Journal of Mathematics
- Cambridge University Press
- Boletim da Sociedade Paranaense de Matemática

MY MENTORS

Prof. Abdul Liman (NIT Srinagar) Ph.D. Advisor

Prof. Wali Mohammad Shah (Central University of Kashmir).

MY PH.D. THESIS DEFENCE EXPERT: Prof. S. Pannumasy (IIT Madras).

WORKED AS RESOURCE PERSON:

1. Created online lectures on Real Analysis for university of Kashmir and affiliated colleges (2019).
2. Working on online lecture creation on Differential Calculus for Cambridge University Press.