

Curriculum Vitae

Dr. Nisar A. Lone

*Department of Mathematics,
JK Institute of Mathematical Sciences, Srinagar.*

Educational Qualifications:

1. M. Sc; (Mathematics), Department of Mathematics, University of Kashmir.
2. M. Phil; Functional Analysis, (*Several Approaches of Uniform Boundedness Principle*), Department of Mathematics, University of Kashmir.
3. Ph. D; Functional Analysis (*Some Aspects of Integration in Banach Spaces*), Department of Mathematics, University of Kashmir.

Teaching Experiences:

1. 03 years, Department of Mathematics, National Institute of Technology, Srinagar India.
2. 02 years, PG Department of Mathematics, University of Kashmir.
3. 17 years, Higher Education Department, Gov't of J&K.

Courses Taught:

Masters Level: Functional Analysis, Measure Theory, Topology, Real Analysis, Advanced Calculus, Introduction to Riemannian Geometry, Differential Geometry.

UG Level: Calculus, Differential Equations, Complex Trigonometry, Plane Geometry, Three-Dimensional Geometry, Abstract Algebra, Linear Algebra.

Research Interests:

Functional Analysis: Vector-valued Integration, Characterization of Banach spaces, Fréchet spaces in terms of (Riemann) integrability. Lineability.

Research Guidance:

Ph D: 02 Students (Pursuing)

Projects:

Riemann integration in Banach spaces; Funded by NBHM, India.

Publications:

Research Articles:

1. Nisar A. Lone; *On the weak Riemann integrability of weak* - continuous functions*, Mediterranean J. of Mathematics, **14** 1(2017), 1-6.
2. Nisar A. Lone and T. A. Chishti; *Fundamental theorem of calculus under weaker forms of primitive*, Acta Universities Sapientia Mathematica **10**, 1 (2018) 101-111.
3. Nisar A. Lone; *Riemann integrability versus continuity for vector-valued functions*, Creative Mathematics and Informatics, **30** (2021) 1, 49-60.
4. Nisar A. Lone and Shabir A. Ahanger; *On lineability of norm attaining operators*; communicated.
5. Nisar A. Lone and Shabir A. Ahanger; *Lineability of linear unbounded operators of an infinite dimensional normed space*; communicated.
6. Nisar A. Lone and Shabir A. Ahanger; *Lineability of the set of Riemann but not Darboux integrable functions*, Real Analysis Exchange Vol. 49(2), 2024.

Books/Scripts

1. *Topology*, Directorate of Distance Education, university of Kashmir, Hazratbal Srinagar; ISBN:978-93-82097-72-3.

Expository Writings:

1. *Convergence in pure thought*; Greater Kashmir, August 13, 2020.
2. *Rational decision making*; Greater Kashmir, June 13, 2020.
3. *A mathematical approach to fight the pandemic*; Greater Kashmir, April 19, 2020.
4. *Charity is intent*; Greater Kashmir, July 23, 2019.
5. *KU: Beyond Accreditation*; Greater Kashmir, June 17, 2019.
6. *Passion is limitless*; Greater Kashmir, January 31, 2019.
7. *Who is to Blame*; Greater Kashmir, February 12, 2021.
8. *Khalis fiker main hamaahangi*; Tajasus, Vol. 3, Issue 12, December 2021.
9. *Let's be optimistic*; Greater Kashmir, August 19, 2022.
10. *Queen is in danger*; Greater Kashmir, September 11, 2022.

Talks/Presentations:

1. Delivered a contributed talk at 2nd international conference at **Alferd Reyni**

Institute, Budapest Hungary, July 30 – August 03, 2024.

2. Delivered two lectures entitled, “The Henstock-Kurzweil integral” as a resource person in faculty development programme organized by **HRDC, Punjab University Chandigarh, Punjab, January 04 -10, 2022.**
3. Delivered an extension lecture entitled, “The impossibility of three Greek problems” at extension lecture series for popularizing mathematics, at Department of Mathematics, **JK Institute of Mathematical Sciences, Srinagar, August 21, 2021.**
4. Presented an oral talk at *2nd Sharjah International mathematics Spring School on Algebra, Analysis, Topology and their Application* organized by **Department of Mathematics, University of Sharjah, UAE, March 24-25, 2019.**
5. Delivered a series of lectures as resource person in *4-Days INMO training camp* organized at **Department of Mathematics, University of Kashmir, December 30 – January 02, 2019.**
6. Delivered a contributed talk at international conference of *pure and applied mathematics* organized by **Department of Mathematics, Van Yuzuncu Yil University, Turkey September 11-13, 2018.**
7. Delivered an invited talk at the international conference on *Urdu Zuban aur Science, Ishtiraq o Iftiraq*, organized by School of Open Learning, **Directorate of Distance Education, University of Kashmir, September 24-25, 2018.**
8. Delivered a series of lectures as resource person in *4-Days INMO training camp* organized at **Department of Mathematics, University of Kashmir, December 17-20, 2018.**
9. Delivered a contributed talk at *international conference on Banach Spaces and Operator Theory*, organized by **Department of Mathematics, Adam Mieckwich University, Poznan, Poland, July 3-7, 2017.**
10. Delivered an invited talk at *3rd international conference on Pure and applied Mathematics*, organized by **Department of Mathematics, University of Sargodha, Pakistan, November 10-11, 2017.**
11. Delivered an invited talk at *one day symposium on Analysis and Graph Theory* organized by **Department of Mathematics COMSATS Institute of Information Technology Lahore, November 13, 2017.**
12. Delivered a series of lectures at **Department of Mathematics, Guru Nanak Dev University, Amritsar, Punjab India, April 1-3, 2014.**
13. Presented a paper at NRSMS organized by **Department of Mathematics, Indian Institute of Technology Roorkee India, December 19-23, 2009.**

Conferences/Workshops/Schools Attended:

1. Advanced Training School on Functional Analysis for Teachers and Research Scholars; Department of Mathematics, IIT Tirupati, December 11-23, 2017.
2. Advanced Instructional School on Naive Set Theory and its Applications, Department of Mathematics, University of Kashmir, April 13- May 2, 2015.
3. National conference on Analysis and Applications, Department of Mathematics, NIT Srinagar, November 19-20, 2012.
4. International Congress of Mathematicians, University of Hyderabad, August 19-27, 2010.
5. Workshop of Functional Analysis and Harmonic Analysis, Kerala School of Mathematics, Kozhikode, February 1-10, 2010.

Conferences/Workshops/Schools Organized:

1. National Level Seminar on, Mathematics and its Applications 2015.
2. National Conference on Mathematical Analysis, 2021.
3. National Conference on Analysis and Discrete Mathematics, 2022.
4. MTTS, in Collaboration with NBHM, 2023.
5. PTMT, in Collaboration with NBHM, 2023.