

## **BIO-DATA**

**Name:** Dr. Parijat Sinha

**Present Position:** Professor (Mathematics) at V.S.S.D College, Kanpur

**E-Mail:** [parijatvssd@gmail.com](mailto:parijatvssd@gmail.com)

### **Academics:**

- High School 77% (U.P. Board), Intermediate 78% (U.P. Board), Graduation (B.Sc.) 68%, (Allahabad University), Post-Graduation (M.Sc. Mathematics) 78% (Allahabad University).
- Qualified CSIR-NET (JRF).
- D Phil. from Allahabad University in 2005 on, "A study on General theory of Locally Convex Spaces".

### **Teaching Experience:**

- Taught from Aug 2003 to Dec. 2003 and from July 2004 to Aug 2004 at Allahabad University (as a SRF student).
- Taught in the session 2004-2005 at C.M.P. Degree College, Allahabad University, under Nishchit Mandeya.
- Teaching at V.S.S.D College, Kanpur from April 2005.
- Developed E-content for Graduate students for Uttar Pradesh Higher Education Digital Library.
- Designed Curriculum at P.G. level as per the NEP guidelines for CSJM University Kanpur, 2022

### **Experience as a research supervisor:**

- Supervised three Ph.D. students.
- Supervised four M.Phil students

### **Books Published:**

- A text book of Differential Calculus; Kedar Nath Ram Nath Publications, Meerut.
- A text book of Integral Calculus; Kedar Nath Ram Nath Publications, Meerut.
- A text book of Real Analysis; Kedar Nath Ram Nath Publications, Meerut.
- A text book of Metric Spaces; Kedar Nath Ram Nath Publications, Meerut.
- A text book of Algebra; Kedar Nath Ram Nath Publications, Meerut.
- A text book of Matrices; Kedar Nath Ram Nath Publications, Meerut.

### **Papers Published**

- 1) Fuzzy continuous and Fuzzy bounded linear operators over anti Fuzzy fields, Jnanabha, 2023, 53(2) pp 168-176.
- 2) Fuzzy Semi-Separation Axioms and Fuzzy Semi connectedness in Fuzzy Biclosure Spaces, Jnanabha, 2023, vol 53(1) 1-6
- 3) 2-Inner Product on Fuzzy Linear Spaces Over Fuzzy Fields, J. Math. Comput. Sci. 2022, 12:166 pp 113
- 4) 2-Norm on Fuzzy Linear spaces over Fuzzy Fields, GANITA, 2022, Vol.72(1) pp311-317
- 5) Connectedness in Fuzzy Biclosure Spaces, Stochastic Modeling and Applications, 2022, Vol 26 No.3 pp 463-469
- 6) Fuzzy Anti n-inner Product Space, Journal of International Academy of Physical Sciences, 2021, Vol 25(2), pp 259-278.
- 7) Fuzzy pre connectedness and Fuzzy  $\alpha$ -connectedness in Fuzzy biclosure spaces, Journal of Mathematical control science and Applications, 2020, vol 6(2) pp 165-174.
- 8) Fuzzy Anti Inner Product Space and its Properties, 2020, Juni Khyat Vol 10(7) no 16, pp 69-79.
- 9) Fuzzy Anti Inner Product Space, Int. J. Applied Engineering Research, 2019, Vol 14(19), pp 3756-3762.
- 10) Sub sequential Convergence and Generalized Mazur Space, Applied Science Periodical, 2018, Vol 20no. 1, pp 14-18
- 11) Different Types of Compactness in Fuzzy Bitopological spaces, The Mathematics Education, 2018, Vol 52no.1 pp 44-50
- 12) Fuzzy Anti 2-bounded Linear Functional, The Journal of Fuzzy Mathematics, 2017, Vol 25(2), pp. 1-10.
- 13) Operator Fuzzy 2-Normed Linear Space, International Journal of Advanced Scientific and Technical Research, 2016, Vol 6(6), pp. 79-89.
- 14) Adjoint Operator in Fuzzy 2-Normed Linear Spaces, International Journal of Mathematical Archive, 2016, Vol 7(2), pp. 1-5.
- 15) Fuzzy Anti 2-inner Product Space and its Properties, The Journal of Fuzzy Mathematics, 2016, Vol 24(2), pp. 1-13.
- 16) Finite Dimensional Fuzzy anti 2-normed Linear Space, International Journal of Mathematical Archive, 2016, Vol 7(1), pp 116-124.
- 17) Fuzzy 2-Bounded Linear Operators, International Journal of Computational Science and Mathematics, 2015, Vol 7(1), pp 1-9.
- 18) Some results on uniformly Fuzzy N-bounded linear operators, Intl J Eng Sci Adv Research, 2015, Vol 1(3), pp 235-237.
- 19) Fuzzy r- separation axioms in fuzzy topological spaces, International Journal of Mathematical Achieve, 2015, Vol 6(5), pp 57-62.
- 20) To and T1 Fuzzy biclosure spaces, Intl J Engg Sci Adv Research, 2015, Vol 1(3), pp 261-263.
- 21) Fuzzy pre- separation axioms in a fuzzy topological spaces, International Journal of Modern Sciences and Engineering Technology, 2015, Vol 2(4), pp 74-79.
- 22) Supra Fuzzy topological space and hausdorffness, International Journal of Mathematical Achieve, 2015, Vol 6(8), pp 1-5.
- 23) On Fuzzy 2-Inner product spaces, International Journal of Fuzzy Mathematics and Systems, 2013, Vol 3(3), pp 243-250
- 24) Some results on fuzzy Housdorff topological spaces, Proceeding of International Conference in Emerging trends in engineering and technology, 2013, pp 619-623.
- 25) Relationship between fuzzy regular and normal spaces and their counterparts in ordinary topology, Jnanabha, 2012, Vol 42, pp 75-80.

- 26) Uniformly Fuzzy 2-Bounded linear operators, International Journal of Mathematics Research, 2012, Vol 4(4), pp 327-331.
- 27) Some results on Fuzzy anti 2-Normed linear spaces, International Journal of Applied Engineering Research, 2012, Vol 7(11).
- 28) Fuzzy anti 2-Bounded linear operators, International Journal of Mathematics Research, 2012, Vol 4(1), pp 71-84.
- 29) Fuzzy anti 2-Continuous linear operators, Journal of Mathematics and Technology , 2011, Vol 2(4), pp 9-19
- 30) On Fuzzy compact metric spaces, Ultra Scientist of Physical Sciences, 2011, Vol 23(1), pp 261-264.
- 31) Fuzzy 2-Continuous linear operators, Ultra Scientist of Physical Sciences, 2011, Vol 23(2), pp 359-366.
- 32) Sequential drop property equals reflexivity, International Journal Of applied Engineering Research, 2011, Vol 6(18), 2202-2204.
- 33)  $\alpha$ - $T_1$  Separation axioms in I-Fuzzy topological spaces, International Journal of Applied Engineering Research, 2011, Vol 6(18), 2439-2440.
- 34) On Sequential drop and weak Sequential drop properties for a Banach space, Ultra Scientist of Physical Sciences, 2009, Vol 21(1), pp 157-160.
- 35) Subsequential convergence in locally convex spaces, Acta Ciencia Indica, 2009, Vol 35(1), pp 275-278.
- 36) On Sequential drop property, Journal of Purvanchal Academy of Sciences, 2008, Vol 14, pp 173-178.

**Delivered a talk/Presented a Paper/ Attended Conference/ Seminar/Workshop:**

- National Summit of Institutional leaders -NSIL 2025, Organized by Vidya Bharti Uchcha Shiksha Sansthan, Department of Higher Education and Doon University, Deharadun from 01-02 March 2025.
- National Workshop on “Integration of IKS Curriculum of Mathematics in the light of NEP 2020” organized by Department of Mathematics, Chaudhary Charan Singh University from 30-31 March, 2024.
- Uttar Pradesh State Council of Higher Education Sponsored National Seminar on “Artificial Intelligence, Technology and Cyber Law: Challenges and Future Prospects” Organized by VSSD College, Kanpur on March 21, 2024.
- National Seminar on, “Bharat ki Ekta aur Ekatmata me Jagatguru Sri Sankaracharya ka Yogdan” Organized by Vidya Bharti Uchcha Shiksha Sansthan and V S S D College, Kanpur on 20 March 2024.
- National Seminar on “Mathematical Modeling and its Applications” organized by Department of Mathematics, DAV College, Kanpur from 18-19 March 2024.
- National Summit of Institutional leaders: Institutions for National Development –NSIL 2024, Organized by Vidya Bharti Uchcha Shiksha Sansthan, Department of Higher Education and University of Lucknow from 15-17 February 2024.
- National Seminar on “Westernizing and Upgradation of current education system for Indian youth” organized by Govt P G College, Hamirpur from 25-26 March 2022.
- Three days workshop on “Python Programming for data science” Organized by HBTU, Kanpur from 20-22 October 2021.

- National Webinar on “Ganit ke anuprayog evam uske samsamayik vaigyanik tatha takniki shabdawali ka hindi me Upyog” organised by Commission for Scientific and Technical Terminology, from 14-16 June 2020.
- National Workshop on, “Origin of Mathematics in Vedas and its different Dimensions” Organized by Gautam Buddha University and Siksha Sanskriti Utthan Nyas from 18-19 July 2020.
- Sapt Divasiya Rastriya karyashala on Vaidik Gadit Organised by Kashi Hindu Vishvavidyalaya, Banaras from 17-23 November 2020.
- National webinar on, “National Education policy 2020” Organized by Ram Sahai Government Degree College, Shivrajpur, Kanpur, 02 Sept. 2020.
- 26<sup>th</sup> International Conference of International Academy of Physical Sciences on, “Advances in Topology and Differential Geometry” Organized by Guru Ghasidas Vishvavidyalaya, Bilaspur from 18-20 December 2020.
- Application of Mathematical modeling and statistical learning on Covid-19 and its related problems, Organized by Department of Mathematics and Statistics, Bareilly College, Bareilly on 07 June 2020.
- 2<sup>nd</sup> International Conference on “Engineering Science and Advance Research” organised by IEEE and Rama University, Kanpur, 13-15 March, 2019
- National Seminar on “Recent Developments in Mathematics and their applications” organised by Department of Mathematics, D.B.S. College, Kanpur, 18 January 2019.
- National Seminar on “Relevance of Vedic Mathematics in Schools and Colleges” organised by Department of Mathematics, D.A.V. College, Kanpur and Vedic Maths Forum, India, 12-13 October, 2018.
- National Seminar on “Water Scarcity: Problem and Solution” organized by Government PG College, Hamirpur (U.P.), 25-26 February, 2018
- International Conference on “Engineering Science and Advanced Research” organized by Faculty of Engineering and technology, Rama university, Kanpur, 23-24 February, 2018.
- “Ganit evam iske anuprayog mein takniki shabdawali” organised by Commission for Scientific and Technical Terminology, 16-18 February, 2018.
- Online certification course on “Cyber Security” organized by E & ICT Academy, IIT Kanpur, 15 Dec. 2018.
- 21<sup>st</sup> International Conference on International Academy of Physical sciences on “Symbiotic development of Mathematical, Physical, Chemical and Computational Sciences” organized by Department of Mathematics, Guru Jambheshwar University of Science and Technology, Haryana, 28 October 2017.
- Short Term Training Program on, “Research Methodology” Organized by UP Textile Technology Institute, Kanpur, 5-9 Sept. 2016.
- National Conference on, “Current Advances in Science and Technology” Organized by Rama University, Kanpur, 19<sup>th</sup> March 2016.
- National Conference on, “Global Terrorism with reference to Kashmir issue” Organized by VSSD College, Kanpur, 27-28 Feb. 2016.

- National Seminar on, “Biodiversity Conservation and Sustainable Development” Organized by BND College, Kanpur, 20th Jan. 2016.
- 18<sup>th</sup> International Conference of International Academy of Physical Sciences on, ‘Recent Trends in Physical Sciences’ Organized by University of Allahabad, Allahabad, 22-24 Dec. 2015.
- National Seminar on, “Need of Electoral Reforms in India with Present Scenario” Organized by VSSD College, Kanpur, 18-19 Dec. 2015.
- National Seminar on, “Applications of Statistics in Social Sciences” Organized by DAV College, Kanpur, 21<sup>st</sup> Nov. 2015.
- National Seminar on, “Ancient Indian Science and Technology” Organized by IIT, Kanpur, 14<sup>th</sup> Oct. 2015.
- National Conference on, “Trends in Signal Processing and Computing” Organized by Rama University, Kanpur, 19-20 Sept. 2015.
- UGC Sponsored Short Term Course on, “Communication Skill” Organized by University of Lucknow, Lucknow, 8-14 Sept. 2015.
- International Conference on, “Recent trends in Mathematics” Organized by University of Allahabad, Allahabad, 10-12 July 2015.
- National Seminar on, “Water resources in Ancient India” Organized by IIT, Kanpur, 13<sup>th</sup> June 2015.
- Regional Science Congress on, “Innovations in Science and Technology for Inclusive Development” organized by Indian Science Congress Association, Kanpur Chapter, 23-24 Nov. 2013.
- 4<sup>th</sup> International Conference on, “Emerging Trends in Engineering and Technology” Organized by GIMT, Kurukshetra, 25-27 Oct. 2013.
- Sir S. Ramanujan Memorial workshop/ Lecture series, Organized by D.A.V College, Kanpur, 18-22 Dec. 2012.
- National Seminar on, “Science for shaping the future of India”, Organized by Indian Science Congress Association, Kanpur chapter, 3-4 Dec. 2012.
- Prof. P.N. Tondon Memorial weekends lecture series on, “Modeling and Computing”, Organized by H.B.T.I, Kanpur, Feb. 18-March 18 2012.
- International Conference on, “Emerging trends in Engineering and Technology”, Organized by GIMT, Kurukshetra, Haryana, 20-22 Oct. 2011.
- Refresher course Organized by ASC, BHU, Varanasi, 29 Oct 11- 18 Nov 11.
- National workshop on, “Emerging trends in interdisciplinary Mathematical Sciences”, Organized by D.A.V College, Kanpur, 15-16 Oct. 2011.
- Conference on, “Bhartiya Bhashaon me Taknekee Shabdavali” Organized by Vaigyanik Thatha Thkenekee Shabdavali Aayog, 27-29 April 2011.
- 15<sup>th</sup> annual conference of Vijnana Parishad of India and a national seminar, “On new thrust area in Mathematical Sciences and Technology” Organized by D.A.V College, Kanpur, Nov. 2011.
- National seminar on, “Recent advances in Mathematics and its applications” Organized by B.N.D. College, Kanpur 12 Feb. 2011.

- International Conference on, “Emerging trends in Engineering and Technology”, Organized by GIMT, Kurukshetra, Haryana, 14-16 Oct. 2010.
- National Seminar on, “Mathematics and its applications to Industries.” Organized by D.B.S. College, Kanpur, 31 Jan-1 Feb. 2009.
- International conference on, “Intelligent Systems and Networks” Organized by Institute of Science and Technology, Klawad, Haryana, 14-16 Feb. 2009.
- “Scientific and Legal Challenges of Global Warming”, Organized by B.N.D. College, Kanpur 25-26 Feb. 2008.
- National conference on, “Scientific Applications of Mathematics” Organized by V. S. Mehta college of Science, Bharwari, 23-24 Dec. 2007.
- Orientation program Organized by ASC, Allahabad University, Allahabad, 22 Feb.-21 March 2007.
- 7<sup>th</sup> conference of International Academy of Physical Sciences (CONIAPAS-VII, 2004), at Allahabad University, Allahabad, 21-23 Dec. 2004.
- Conference on, “Current trends in Mathematics” Organized by Allahabad University, 9-10 Nov. 2002.

**Life Member of:**

- Vijana Parishad of India
- International Academy of Physical Sciences
- Indian Science Congress