

MEETU JAIN

RESEARCH SCHOLAR

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Google Scholar:

<https://scholar.google.com/citations?hl=en&user=qwDaLKwAAAAJ>



EDUCATIONAL QUALIFICATION

- Qualified **CSIR-UGC NET (All India 14th Rank)** held on December 20, 2009.
- Qualified **GATE-2010 (All India 105 Rank)** with 96.42 percentile.
- **M.Sc. in Mathematics, 2007-09 (3rd Rank holder)**
Marks : **82.75%**
Punjabi University Campus, Patiala
- **B.A. with Mathematics, 2005-07**
Marks : **72.78%**
Govt. Mohindra College, Punjabi University, Patiala
(First Position in the College and 30th Position at the University Level)
- **Senior Secondary, 2004 (Secured 99% marks in Mathematics)**
Marks : **77.1%**
P.S.E.B., Mohali
- **Matric, 2002 (Secured 100% marks in Mathematics)**
Marks : **85.07%**
P.S.E.B., Mohali

AT PRESENT:

Working as Assistant Professor in the Department of Mathematics at University College, Ghanaur since 20th Feb 2023.

As a Research scholar, I have passed Doctor of Philosophy Course work in Mathematics with **Average grade point 8.625** in January 2020(Registration No. MC (P) 2004-502).

My Date of Enrollment is 03.09.2019 and Date of Registration is 23.11.2020.

Topic of Research: Fusion of Nature Inspired Techniques for Global Optimization.

Supervisor: Dr. Satya Bir Singh, Professor, Department of Mathematics, Punjabi University, Patiala, Punjab 147002, India.

Co- Supervisor: Dr. Vibha Saihjpai, Assistant Professor, University College, Chunni Kalan, Dist. Fatehgarh Sahib.

RESEARCH WORK:

- Research paper entitled “Use of Nature Inspired Techniques in Resource Constrained Project Scheduling Problems” (Paper Code ICCTIM264,) has been presented in online mode in the three days International Conference on Computational Techniques and Intelligent Machine (ICCTIM2020) held on November 26-28, 2020 (Baba Farid College, Bathinda, India from 26-28 Nov, 2020).

This research paper has been **accepted for publication as a book chapter** in entitled “Special Functions in Fractional Calculus and Their Applications in Engineering” edited by (Praveen Agarwal, Shilpi Jain) under **Bentham Science Publication**.

- Jain, M.; Saihjpai, V.; Singh, N.; Singh, S.B. “An Overview of Variants and Advancements of PSO Algorithm”, Appl. Sci., 2022, 12, 8392.

DOI: <https://doi.org/10.3390/app12178392>

This Research paper has been published in the journal “Applied Sciences” (ISSN: 2076-3417) with Current **Impact Factor: 2.838**.

This journal is listed in scopus and web of sciences.

TEACHING EXPERIENCE

1. (Aug. 2022- Feb 2023) Rejoined Asian Educational Institute (**Regular Assistant Professor in Mathematics approved by the Punjabi University Panel vide letter no: 4686**), Affiliated to Punjabi University, Patiala on 17.08.2022

2. (June 2010 – May 2019)

Regular Assistant Professor in Degree College (Asian Educational Institute, Affiliated to Punjabi University Patiala). **Having ten years of teaching experience of different Post graduate and Under graduate classes with Operation Research, Topology, Algebra, Analysis etc. subjects of Mathematics field.**

3. (Feb 4, 2010 – June 9, 2010)

Worked as Assistant Professor in the Department of Mathematics in University College of Engineering (UCOE) (A Constitute College of Punjabi University Patiala).

FIELDS OF INTEREST:

- Optimization Techniques
- Numerical Analysis
- Analysis

WORKSHOPS/PROGRAMS/CONFERENCES PARTICIPATED/ATTENDED:

- Participated in the three days **International webinar on Intelligent optimization Techniques and their real life applications** organized by Department of Mathematics, Punjabi university, Patiala in collaboration with University of Wolverhampton, Mizan-Tepi University, ETHIOPIA, MathTech Thinking Foundation (MTTF), INDIA held on 25-27 February, 2022.
- Attended three days **International virtual training workshop** on Publication, Scopus indexed Journals jointly organized by Research/Community Service/Technology Transfer, Directorate, Mizan-Tepi University, ETHIOPIA in collaboration with MathTech Thinking Foundation (MTTF), INDIA held on . 29-31 July 2021.

- Attended one day Online **Lecture Series on "Emerging Trends in Computer Science & IT (ETICT-21)"** organized by Janardhan Rai Nagar Rajasthan Vidhyapeeth (JRN RVU) in Technical collaboration with Computer Society of India, Udaipur Chapter on 02nd – June - 2021.
- Presented a Research paper entitled "Use of Nature Inspired Techniques in Resource Constrained Project scheduling Problems" in the International Conference on Computational Techniques and Intelligent machines on Nov 26-28, 2020 Organized by Baba Farid College, Bathinda.
- Attended Two days online **workshop on "Python Software"** Organized by Dept. of Mathematics, Modern College of arts, science and Commerce, Ganeshkhind, Pune-16, held on 13-14 Aug, 2020.
- Attended Two days **Online Capacity Building Program on "Basic Tools and Techniques for Online Teaching"** Organized by Centre for E-Learning and Teaching Excellence, Punjabi University, Patiala held on 25-26 July, 2020.
- Attended One Day **International Webinar on "Matlab Applications in Science and Engineering"** Organized by Baba Farid College, Bathinda held on May 29, 2020.
- Attended One Day **National Seminar on "Usage and Prospects of Mathematics"** NMD-2018 in conjunction with NCSTC, DST, Govt. of India on March 07, 2019 organized By Multani Mal Modi College, Patiala.
- Attended Two days **Regional Workshop on "Indian Women & Mathematics"** Research & Career opportunities Feb 06-07, 2017 supported by: NBHM, DAE, Govt. of India.
- Attended Three days **National Conference on "Recent trends in Algebra & Analysis"** sponsored by DST, New Delhi & Panjab University, Chandigarh at A.S. College for Women, Khanna held on 23-25 Oct. 2013.
- Attended One Week **Workshop on "Training of Trainers on Employability skills through life skills Approaches"** organized by Rajiv Gandhi National

Institute of Youth Development, Regional Center (25th June- 1 July, 2015) as
Asian Educational Institute, Patiala.

MEMBERSHIP OF LEARNED BODIES:

- Life Member of Math Tech Thinking Foundation (MTTF) with registration UID: MTTF1348150.

CO CURRICULAR ACTIVITIES:

- One of the Organizing member of the three days **International webinar on Intelligent optimization Techniques and their real life applications** held at Department of Mathematics, Punjabi university, Patiala in collaboration with University of Wolverhampton, Mizan-Tepi University, ETHIOPIA, MathTech Thinking Foundation (MTTF), INDIA held on 25-27 February, 2022.
- Organizing member of various **“INSPIRE Internship Science Camps”**, Sponsored by DST at the Asian Educational Institute of Sciences.
- Started various **undergraduate courses** at the Asian Educational Institute of Sciences.
- **Merit position** in youth talent competitions organized by ABVP, 2000.

COMPUTER LITERACY

- Basics in Computer, Excel & C Language, MATLAB.

LANGUAGE

- English, Hindi & Punjabi

PERSONAL DETAILS:

Father's Name	:	Shri. Parmod Chand Jain
Date of Birth	:	07-02-1986
Nationality	:	Indian
Marital Status	:	Married

REFERENCES

Dr. Satya Bir Singh
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