

Dr. Suraiya Jabin

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Scopus profile: <https://www.scopus.com/authid/detail.uri?authorId=26326867600>

Google Scholar profile: <https://scholar.google.co.in/citations?user=flF1Bg8AAAAJ&hl=en>

Teaching and Research Experience

Teaching	: 22 years
Research (after Ph.D.)	: 15 years
Area of Interests	: Biometrics, Sensor-enabled Biometric Signature, EEG-based authentication, Digital Image Processing, Computational Biology, Medical Imaging, Artificial Intelligence in HealthCare
Research Papers	: 65
Books	: 2 books; Machine Learning I (2023) , and Machine Learning II (2024) , publisher Wiley India
Patents	: Indian Patent No. 429295 granted on April 19, 2023, was filed on date February 28, 2017.

Professional Profile (Highlights)

- Credited over 65 research articles in refereed international journals, conference proceedings and as book chapters, including more than 15 papers in **SCIE/Scopus indexed high impact journals**.
- Supervised 8 PhDs successfully and 5 full-time students enrolled currently.
- Indian Patent titled “**Mobile-Biometric Signature based Authentication System**” granted on date April 19, 2023 (filed on date Feb 23, 2017).
- Two books published in 2023 & 2024 with title: **Machine Learning I (2023) & Machine Learning II (2024)**, Wiley India publisher.
- **ACM professional membership** (Jan 2024-contd.) awarded as token of appreciation for reviewing research papers from ACM's journals (membership number: **5167921**).
- Guest Associate Editor of reputed journals ‘Frontiers in Computer Science’ and ‘Frontiers in Dental Medicine’ since November 2024
- Member of several professional bodies including Life member of Asia Pacific Bioinformatics Interaction & Networking Society (**APbians**) with member no 3 since July 2018, ACM-SIGCSE one-year membership (during Nov 2011-Nov 2012) and Life member of Indian Society for Technical Education (ISTE) since 2005 apart from many conferences and journal review committees
- Theory papers taught to Post Graduate courses: Digital Image Processing (DIP), Data Mining & Warehousing, Machine Learning and Soft Computing, Artificial Intelligence, Deep Learning, Advanced DBMS, Discrete Mathematics, Compiler Design, and Systems Programming, etc.
- Labs for DIP and AI, Machine Learning using MATLAB 2023a, Prolog, Programming in Java, J2EE, C, C++ etc.
- Convener of DBT-BIF workshops during 2006, 2007, 2012, ACBB 2015, NWTB-2017, NWTB-2018 (6 workshops).
- Event in-charge: organized department’s annual alumni meet events “**Milestone**” during 2017, 2018, 2019, 2021, 2023; Placement related web talk event titled “**HR Conclave 2020**” (online mode), etc.
- Granted ethical clearance from IEC JMI for data collection involving human subjects for two ongoing Collaboratory projects that are non-funded.
- Guest Associate Editor of reputed journal ‘Frontiers in Computer Science’ and ‘Frontiers in Dental Medicine’ since November 2024.

Administrative positions held at department and university level:

Current:

-Active member of **Curriculum design team** of the department especially for courses: MCA (revised in 2023), **M.Sc. AI & ML** (newly launched course in August 2024), Computer Science centric discipline as Major of B.Sc./UG Multidisciplinary course in line with NEP 2020.

-Choice Based Curriculum Subject (**CBCS**) **advisor** since July 2020.

- Teacher Placement coordinator** of Department for Ph.D., MCA, M.Sc. (Bioinformatics), M.Sc. (AI & ML), PGDCA courses since March 2017.
- Department UG **NEP Coordinator** of B.Sc./UG Multidisciplinary course under New Education Policy (NEP) 2020 from June 2023.
- Nodal officer, Swayam courses since July 2023, Department of Computer Science, JMI.
- Nodal officer, Jamia Alumni Connect since July 2022, Department of Computer Science, JMI.
- VC nominee member, Departmental Academic Integrity Panel (DAIP) of the Department of Electrical Engineering, Faculty of Engineering and Technology, JMI during August 2021-contd.

Past:

- Successfully completed infrastructural grant DBT-BIF during 2011 to 2019 as project coordinator; title: Bioinformatics Infrastructure Facility (BIF) funded by the Department of Biotechnology, Government of India at DCS, JMI (Rs. 45 Lakhs).
- Course Advisor of MCA for 9 years (2011-2020) and B.Sc., M.Sc. Bioinformatics (during 2007-2010 for 3 years)
- Assistant Proctor in JMI during July 2016-June 2017.
- Non-resident Warden, Jammu and Kashmir Girls Hostel, JMI during Sep 2019-Aug 2020.

Consultancy/Freelancing:

- Recently signed a contract with Haremi (Princess Elizabeth Way, Cheltenham, United Kingdom) as a freelancer and reviewed an *Arm Education MOOC* (A-level, AP-level or equivalent) covering the fundamentals of “**Artificial Intelligence**” publicly available at EDX.
- Associate Editor of reputed journal ‘Frontiers in Computer Science’ and Topic Editor for ‘Frontiers in Dental Medicine’ since November 2024.

Past:

- External expert member, Board of Studies, School of Technology, Woxsen University, Hyderabad, India for Computer Science & Engineering (CSE) related programs for a tenure of 4 years; August 2021 to August 2024.
- External expert member, Board of Studies, Department of Computer Science, UPES, Dehradun, India for duration 2022-2023.

Academic Qualifications

Ph.D. (Computer Science) 2005-2009

Department of Computer Science, Jamia Hamdard University, New Delhi, India

My Doctoral thesis dealt with “*Learning Classifier System (LCS) Approach for Automated Discovery of Hierarchical Censored Production Rules*”. In this work, interesting object-oriented hierarchies were discovered in the form of Crisp/Fuzzy HCPRs from large datasets using soft computing approach.

External Supervisor: Prof. K.K. Bharadwaj (External guide), Professor, School of Computer and System Sciences, Jawaharlal Nehru University (JNU), New Delhi-110067, India, Mob: +91 9810196636, email: kbharadwaj@gmail.com

Supervisor: Prof. Afshar A. Alam, Department of Computer Science, Jamia Hamdard, New Delhi, India.

Date of Registration: May 4, 2005; Year of award: July 27, 2009

Master of Computer Applications (MCA) 1999-2002

U.N.S. Institute of Engineering and Technology, V.B.S. Purvanchal University, U.P., India securing 75.72% marks, and awarded Gold medal

B.Sc. (Computer Science, Mathematics, and Physics) 1998

Department of Computer Science, University of Lucknow, Lucknow, U.P., India securing 65% marks

Intermediate (XII) 1995

U.P. Board (Physics, Chemistry, Maths, English, Hindi), from LBC College Lucknow, India securing 67% marks

Highschool (X) 1993

U.P. Board (Science, S. Science, Maths, English, Hindi), from City Montessori Higher Secondary School, Mahanagar, Lucknow, India securing 75.8% marks with Honours

Employment Profile (22 Years)

Professor (November 11, 2019 to Contd.) – duration 5 years 3 months

Department of Computer Science, Faculty of Sciences, JMI, New Delhi, India

Associate Professor (November 11, 2016 to November 10, 2019) – duration 3 years

Department of Computer Science, Faculty of Sciences, JMI, New Delhi, India

Assistant Professor (December 11, 2006 to November 10, 2016) – duration 10 years

Department of Computer Science, Faculty of Sciences, JMI, New Delhi, India

Lecturer (September 8, 2002 to December 10, 2006) – duration 4 years 4 months
Department of Computer Science, Jamia Hamdard University, New Delhi, India

Administrative Responsibilities

Current:

SNo	Position	From	To	Name of Institutes
1.	CBCS (Choice based curriculum) Advisor	June 2020	Contd.	Department of Computer Science, New Delhi, JMI, India
2.	UG Multidisciplinary NEP In-charge	May 2023	Contd.	Department of Computer Science, New Delhi, JMI, India
3.	Teacher Placement Coordinator	Aug 2017	Contd.	Department of Computer Science, New Delhi, JMI, India
4.	Member of DAIP	Aug 2021	Contd.	Department of Electrical Engineering, JMI, New Delhi, India
5.	Member of Board of studies (BOS)	Dec 2006	Contd.	Department of Computer Science, New Delhi, JMI, India

Past:

S.No	Position	From	To	Name of Institutes
1.	Course Advisor – MCA	Nov 2011	June 2020	Department of Computer Science, New Delhi, JMI, India
2.	Non-resident Warden	Sep 2019	Sep 2020	J&K Girls Hostel, JMI, New Delhi, India
3.	Coordinator – BIF* (Bioinformatics Infrastructure Facility, Department of Biotechnology, Government of India)	Nov 2011	Feb 2019	Department of Computer Science, New Delhi, JMI, India
4.	Member – Departmental Placement Committee	Jan 2016	July 2017	Department of Computer Science, New Delhi, JMI
5.	Assistant Proctor	July 2016	June 2017	Jamia Millia Islamia, New Delhi, India
6.	Coordinator: M.Sc. (Bioinformatics)	Nov 2011	Feb 2013	Department of Computer Science, New Delhi, JMI, India
7.	Course Coordinator – B. Sc. (Computer Science)	Dec 2006	Oct 2011	Department of Computer Science, New Delhi, JMI, India
8.	Member – Subject Association	Nov 2011	Dec 2013	Department of Computer Science, JMI, India

Publications (65): Journal papers (26), Conference (25), Book Chapter (11), Books (3), Patents (1)

I. Books (3)

1. **Data Science (June 2025)**, Author: Suraiya Jabin, Publisher: **Wiley India Pvt. Ltd.**, only for Institute of Management Technology (IMT), India. (under progress)
2. **Machine Learning–II (January 2024)**, Author: **Suraiya Jabin**, Copyright: 2023, Publisher: **Wiley India Pvt. Ltd.**, ISBN 978-93-5746-460-4, ISBN 978-93-5746-808-4 (ebk), only for NMIMS Global Access–School for Continuing Education, V. L. Mehta Road, Vile Parle (W), Mumbai–400 056, India. (January 2024)
3. **Machine Learning–I (August 2023)**, Author: Manoranjan Pradhan, U. Dinesh Kumar, Content Contributor: **Suraiya Jabin** (contributed 4 chapters), Copyright: 2023, Publisher: **Wiley India Pvt. Ltd.**, ISBN: 978-93-5746-156-6, ISBN: 978-93-5746-157-3 (ebk), only for NMIMS Global Access–School for Continuing Education, V. L. Mehta Road, Vile Parle (W), Mumbai–400 056, India. (August 2023)
4. **Robot Learning** (Edited book: <https://www.amazon.com/Robot-Learning-Suraiya-Jabin/dp/9533071044>), August 2010, **Suraiya Jabin** (Ed.), ISBN: 978-953-307-104-6.

II. Patents (5): Indian Patent No. 429295 (201711007111)

1. Title: **Mobile-Biometric Signature based Authentication System**, Applicants: Suraiya Jabin & Farhana Javed Zareen, Indian Patent No: 429295, Application No.: 201711007111
Date of Filing: February 28, 2017
Date of Award: April 19, 2023, patent online available at:
http://ipindia.nic.in/writereaddata/Portal/IPOJournal/1_452_1/Part1.pdf

Patents under progress:

2. Patent titled “AI model for Clinical Raw Sequence Classification (SRA data in FASTQ.gz format) in ESKAPEE pathogens” filed in 2025. Status: under progress (AI model deployed and available at: <http://115.241.23.53:8000/>).

3. Patent titled “A hybrid deep learning biometric authentication model using novel Visually Evoked Potential EEG” filed in 2025. Status: under progress.

III. International Journals (27):

2024

- [1] Mishra, S., Jabin, S. (2024), Anomaly detection in surveillance videos using deep autoencoder. Int. j. inf. tecnol. 16, 1111–1122 (2024). <https://doi.org/10.1007/s41870-023-01659-z> (**Scopus**)

2023

- [2] Sumaiya Ahmad, Sarthak Mishra, Farhana Javed Zareen, **Suraiya Jabin*** (January 2023), Sensor-enabled Biometric Signature based authentication method for smartphone users, International Journal of Biometrics (IJBM), InderScience. Published Online: January 9, 2023, pp 212-232, <https://doi.org/10.1504/IJBM.2023.129229> (**ESCI**).
- [3] Shakil, K.A., Zareen, F.J., Alam, M. et al. BAMCloud: a cloud based Mobile biometric authentication framework. Multimed Tools Appl 82, 39571–39600 (2023). <https://doi.org/10.1007/s11042-022-13514-7> (SCIE)

2022

- [4] Tarannum, S.*, Jabin, S. Prioritizing severity level of COVID-19 using correlation coefficient and intuitionistic fuzzy logic. Int. j. information technology, 14, 2469–2475 (2022). ISSN (Print): 2511-2104, eISSN: 2511-2112, <https://doi.org/10.1007/s41870-022-00971-4>; <https://link.springer.com/article/10.1007/s41870-022-00971-4> (**Scopus**)
- [5] Tolosana, R.*, Vera-Rodriguez, R., Gonzalez-Garcia, C., Fierrez, J., Rengifo, S., Morales, A., ... & Jabin, S. (2022). SVC-onGoing: Signature Verification Competition, Pattern Recognition (Elsevier). ISSN 0031-3203. Volume 127, July 2022, 108609 (**SCIE**) **Impact Factor: 8.518** <https://doi.org/10.1016/j.patcog.2022.108609>
- [6] **Jabin, S.*** (2022). Artificial Intelligence (AI) in Healthcare. International Journal of Bioinformatics and Intelligent Computing, Volume 1(issue 2), 127-129. DOI: <https://doi.org/10.61797/ijbic.v1i2.166>
- [7] Tarannum, S.*, & Jabin, S. (2022). A Soft computing model with reduced features using Intuitionistic Fuzzy Logic for disease classification, Advances and Applications in Mathematical Sciences, Volume 21, ISSN 0974-6803, Issue 6, April 2022, Pages 3233-3247, © 2022 Mili Publications, India (UGC listed till December 2022)
- [8] Wani, M.A.*, Jabin, S. (2022), Mutual Clustering Coefficient-based Suspicious-link Detection Approach for Online Social Networks, in Journal of King Saud University - Computer and Information Sciences, Elsevier, ISSN 1319-1578, Volume 34, Issue 2, February 2022, Pages 218-231, <https://doi.org/10.1016/j.jksuci.2018.10.014> (**SCIE**) **Impact Factor: 8.839**

2021

- [9] Prachi Kaushik*, Suraiya Jabin (August 2021), A study of surface area classification of Bhiwani area using Sentinel-1 SAR images, International Journal of Scientific Research, Volume 10, Issue 8, August 2021, DOI: 10.36106/ijsr, (Print ISSN: 2277-8179). (**ICI**)
- [10] Prachi Kaushik*, Suraiya Jabin, "Surface Area Classification Using Sentinel1 SAR Backscattering Coefficients," International Journal of Engineering Trends and Technology, vol. 69, no. 12, pp. 39-46, 2021. Crossref, <https://doi.org/10.14445/22315381/IJETT-V69I12P206> (**Scopus**).

2020

- [11] **Jabin, S.***, Ahmad, S., Mishra, S., & Zareen, F. J. (2020). iSignDB: A database for smartphone signature biometrics. Data in Brief (Elsevier), Volume 33, 106597, ISSN 2352-3409, <https://doi.org/10.1016/j.dib.2020.106597>. (**ESCI**) associated data repository: <https://github.com/suraiyajabin/iSignDB2020>
- [12] Kashish Shakil*, Farhana Javed Zareen*, Mansaf Alam, **Suraiya Jabin** (2020), BAMHealthCloud: A Biometric Authentication and Data Management System for Healthcare Data in Cloud, Journal of King Saud University - Computer and Information Sciences -Elsevier, ISSN: 1319-1578, pp. 57-64, vol. 32, issue no.1, 2020 <https://doi.org/10.1016/j.jksuci.2017.07.001> (**SCIE**) **Impact Factor: 8.839**
- [13] Mishra, S., Rastogi, Y. P., **Jabin, S.***, Kaur, P., Amir, M., & Khatoon, S. (2020). A bacterial phyla dataset for protein function prediction. Data in brief, Volume 28, 105002, ISSN 2352-3409. (**ESCI**) <https://doi.org/10.1016/j.dib.2019.105002> associated data repository: <https://github.com/suraiyajabin/ProteinFunctionPredictionDataSet>

2019

- [14] Mishra, S., Rastogi, Y. P., **Jabin, S.***, Kaur, P., Amir, M., & Khatun, S. (2019). A deep learning ensemble for function prediction of hypothetical proteins from pathogenic bacterial species. Computational biology and chemistry, 83, 107147, <https://doi.org/10.1016/j.compbiolchem.2019.107147> October 19, 2019. (**SCIE**) **Impact Factor: 3.73**

2018

- [15] Wani, M. A.*, Agarwal, N., **Jabin, S.**, & Hussain, S. Z. (2018). User emotion analysis in conflicting versus non-conflicting regions using online social networks. Telematics and Informatics, 35(8), 2326-2336, ISSN: 0736-5853, <https://doi.org/10.1016/j.tele.2018.09.012>. (**SSCI/Scopus**) **Impact Factor: 9.14**
- [16] Singh, A. P., Mishra, S., & **Jabin, S.*** (2018). Sequence based prediction of enhancer regions from DNA random walk. Scientific reports, 8(1), Article number: 15912, pp.1-12. <https://doi.org/10.1038/s41598-018-33413-y> , <https://rdcu.be/baiOW>, published online on Oct 29, 2018, ISSN 2045-2322 (online), link of paper: <https://www.nature.com/articles/s41598-018-33413-y> (**SCIE**) **Impact Factor 4.996** associated data repository: <https://github.com/suraiyajabin/EnhancerPredictionDataset>

- [17] **Suraiya Jabin***, Niladri Chatterjee, Suos Samak, Kim Sokphyrum, Javier Sola (2018), [An Online English-Khmer hybrid Machine Translation System](#), International Journal of Intelligent Systems Technologies and Applications (IJISTA), ISSN online: 1740-8873, ISSN print: 1740-8865, Vol. 17, pp. 292-309, issue no. 3, 2018, DOI: [10.1504/IJISTA.2018.094012](#) (Scopus)
- [18] Zareen, F. J., Matta, C., Arora A., Singh, S., **Jabin, S.*** (2018), An authentication system using keystroke dynamics in International Journal of Biometrics, Inderscience Publisher, Vol 10, issue 1, pp. 65-76, ISSN print: 1755-8301 (ESCI) DOI: [10.1504/IJBM.2018.090129](#)
- 2016**
- [19] Zareen, F. J., & **Jabin, S.** (2016). Authentic mobile-biometric signature verification system. IET Biometrics, 5(1), 13-19, Online ISSN 2047-4946 Print ISSN 2047-4938 (SCIE) Impact Factor: 2.716 <https://doi.org/10.1049/iet-bmt.2015.0017>
- 2015**
- [20] **Jabin, Suraiya***, Zareen, F. J. (2015). Biometric signature verification. International Journal of Biometrics, 7(2), 97-118, ISSN print: 1755-8301, DOI: [10.1504/IJBM.2015.070924](#) (ESCI)
- [21] **Jabin, S.***, (September 2015). Machine Learning methods and applications using Formal Concept Analysis. International Journal of New Technologies in Science and Engineering, Vol. 2, Issue. 3, pp.152-163, ISSN 2349-0780
- 2014**
- [22] **Suraiya Jabin*** (August 2014), Stock Market Prediction using Feed-forward Artificial Neural Network, Volume 99, Number 9, ISSN: 0975-8887, pp. 4-8, doi: [10.5120/17399-7959](#), International Journal of Computer Applications (IJCA), New York, USA. (url: <https://www.ijcaonline.org/archives/volume99/number9/17399-7959>)
- 2013**
- [23] **Suraiya Jabin***, Suos Samak, Kim Sokphyrum (September 2013), How to Translate from English to Khmer using Moses, published in International Journal of Engineering Inventions, Volume 3, Issue 2, pp. 71-81, e-ISSN: 2278-7461, p-ISSN: 2319-6491, September 2013.
- [24] Rejaul Karim Barbhuiya, K Mustafa and **Suraiya Jabin** (May 2013), A Personalized Learning System with Adaptive Content Presentation and Affective Evaluation Facilities, Volume 70, Number 26, ISSN 0975-8887, pp. 10-15, May 2013. Published by Foundation of Computer Science, International Journal of Computer Applications (IJCA).
- 2012**
- [25] Singh, T. P., & **Jabin, S.** (2012). Evolving Connection Weight for Pattern Storage and Recall in Hopfield Model of Feedback Neural Networks Using a Genetic Algorithm. International Journal on Soft Computing (IJSC) Vol, 3, pp.55 – 62, Vol.3, No.2, ISSN: 2229 - 6735 [Online]; 2229 - 7103 [Print], DOI: [10.5121/ijsc.2012.3205](#).
- 2008**
- [26] **Suraiya Jabin***, (August 2008) 'Data Mining in Learning Classifier Systems Framework: A Survey' in "National Seminar on Artificial Intelligence and Soft Computing", organized by Department of Computer Science and Information Technology, Institute of Technology and Management (ITM), Gurgaon on August 29-30, 2008, published by "International Journal of Computer Science, Systems Engineering and Information Technology" (IJCSEIT), pp. 59-64, ISSN No. 0974-5807, Serials Publications, New Delhi, India.
- 2007**
- [27] **Jabin, S.***, & Bharadwaj, K. K. (2007). Learning Classifier Systems Approach for Automated Discovery of Crisp and Fuzzy Hierarchical Production Rules. International Journal of Computer Science and Engineering, 2(1), 18-23, World Academy of Science, Engineering and Technology.

IV. International Conference Proceedings (25)

1. S. Mishra* and S. Jabin (2023), "Real-Time Pedestrian Detection using YOLO," 2023 International Conference on Recent Advances in Electrical, Electronics & Digital Healthcare Technologies (REEDCON), New Delhi, India, 2023, pp. 84-88, doi: [10.1109/REEDCON57544.2023.10151150](#). <https://doi.org/10.1109/REEDCON57544.2023.10151150> (Scopus)
2. Anam Suri, Suraiya Jabin, M. Khan, K. I. Sherwani, M. Sardar and M. M. Khan (2023), "Recent trends and Indications in the field of Motor Imagery: a Brain-computer interface paradigm," 2023 International Conference on Recent Advances in Electrical, Electronics & Digital Healthcare Technologies (REEDCON), New Delhi, India, 2023, pp. 174-179, doi: [10.1109/REEDCON57544.2023.10150687](#), <https://doi.org/10.1109/REEDCON57544.2023.10150687> (Scopus)
3. Soofi Shafiya* and Suraiya Jabin (2023), "Current Trends in Social-Media based Disease Outbreak Prediction & Surveillance Systems," 2023 International Conference on Recent Advances in Electrical, Electronics & Digital Healthcare Technologies (REEDCON), New Delhi, India, 2023, pp. 205-210, doi: [10.1109/REEDCON57544.2023.10151369](#), <https://doi.org/10.1109/REEDCON57544.2023.10151369> (Scopus)
4. Saba Sarwar* and Suraiya Jabin (2023), "AI Techniques for Cone Beam Computed Tomography in Dentistry: Trends and Practices," 2023 International Conference on Recent Advances in Electrical, Electronics & Digital Healthcare Technologies (REEDCON), New Delhi, India, 2023, pp. 226-231, doi: [10.1109/REEDCON57544.2023.10151069](#), <https://doi.org/10.1109/REEDCON57544.2023.10151069> (Scopus)
5. Anam Suri*, Suraiya Jabin, M. Khan, K. I. Sherwani, M. Sardar and M. M. Khan (2023), "Mental Task Classification using Machine Learning," 2023 International Conference on Recent Advances in Electrical, Electronics & Digital Healthcare Technologies (REEDCON), New Delhi, India, 2023, pp. 222-225, doi: [10.1109/REEDCON57544.2023.10150533](#), <https://doi.org/10.1109/REEDCON57544.2023.10150533> (Scopus)
6. G. Stragapede et al. ... Sumaiya Ahmad, Suraiya Jabin (2022), "IJCB 2022 Mobile Behavioral Biometrics Competition (MobileB2C)," 2022 IEEE International Joint Conference on Biometrics (IJCB), Abu Dhabi, United Arab Emirates, 2022, pp. 1-7, doi: [10.1109/IJCB54206.2022.10007985](#), <https://doi.org/10.1109/IJCB54206.2022.10007985> (Scopus)
7. Ahmad, S., Jabin, S. (2022), "Fingerprint Classification using Deep learning", 2022, First International Conference on Artificial Intelligence Trends and Pattern Recognition (ICAITPR), 2022, March 10-12, 2022, pp. 1-6, doi: [10.1109/ICAITPR51569.2022.9844181](#), <https://doi.org/10.1109/ICAITPR51569.2022.9844181> Electronic ISBN:978-1-6654-2521-6, Print on Demand (PoD) ISBN:978-1-6654-2522-3. (Scopus)

8. P. Kaushik and S. Jabin (2022), "Flood Mapping of Amphan Disaster Using SENTINEL-1 IMAGES," 2022 IEEE Global Conference on Computing, Power and Communication Technologies (GlobConPT), 2022, pp. 1-7, doi: 10.1109/GlobConPT57482.2022.9938199, Electronic ISBN:978-1-6654-9365-9, Print on Demand (PoD) ISBN:978-1-6654-9366-6. **(Scopus)**
9. Tarannum, S., & Jabin, S. (2018, October). A comparative study on fuzzy logic and intuitionistic fuzzy logic. In 2018 International Conference on Advances in Computing, Communication Control and Networking (ICACCCN) (pp. 1086-1090). IEEE. Conference Record Number: #43907, IEEE ISBN 978-1-5386-4119-4, October 12-13, 2018 at Galgotia College of Engineering and Technology, Greater Noida, U.P., India. **(Scopus)**
10. Kaushik, P., & Jabin, S. (2018, December). A Comparative study of pre-processing techniques of SAR images. In 2018 4th International Conference on Computing Communication and Automation (ICCCA) (pp. 1-4). IEEE. (IEEE Conference Record No 44295), ISBN: 978-1-5386-6946-4, December 14-15, 2018 at Galgotias University, Greater Noida, Uttar Pradesh, India. **(Scopus)**
11. Wani, M. A., Agarwal, N., **Jabin, S.**, & Hussain, S. Z. (2018), Emotion Analysis of Real versus Fake users on Facebook Social Network, IEEE, 10th International Conference on Communication Systems and Networks, COMSNETS 2019, Bangalore, India, January 3-7, 2018, Editors: Biswas, S., Mukherjee, A., Chan, M.C., Chakraborty, S., Kumar, A., Mandyam, G., Shorey, R. (Eds.), ISBN 978-3-030-10659-1, DOI 10.1007/978-3-030-10659-1, Series Volume, 11227 **(Scopus)**
12. Wani, M. A., Agarwal, N., **Jabin, S.**, & Hussain, S. Z. (2018). Analyzing Real and Fake users in Facebook Network based on Emotions, IEEE, International Conference on Machine Learning and Data Science (ICMLDS-2018), 42-47. **(Scopus)**
13. Mudasar Ahmad Wani and **Suraiya Jabin** (2017), "Online Social Networks (OSNs)- Representation and Analysis, 5th international conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2017), ISBN: 978-81-934083-8-4, published in International Journal of Innovations & Advancement in Computer Science (IJACS), ISSN 2347 – 8616, pp. 300-306, Volume 6, Issue 7, July 2017.
14. Shabanam Khatoun, **Suraiya Jabin**, Punit Kaur (2017), In-silico approach for hypothetical protein function prediction, in the proceedings of 7th International Conference on Engineering Technology, Science and Management Innovation (ICETSMI-2017) organized by IETE, Lodhi Road, Delhi, India, published in International Journal of Engineering Technology Science and Research (IJETSR), ISSN 2394 – 3386, pp. 326-330, vol 4, issue 7, July 2017.
15. Farhana Javed Zareen, **Suraiya Jabin**, (July 2017), Evaluating spoofing attacks on biometric signature verification system, in 7th International Conference on Engineering Technology, Science and Management Innovation (ICETSMI-2017), venue: (IETE, Delhi) Institution of Electronics and Telecommunication Engineers, Lodhi Road, Delhi, India, date: 16th July 2017, published in International Journal of Engineering Technology Science and Research (IJETSR), ISSN 2394 – 3386, pp. 151-156, vol 4, issue 7, July 2017.
16. **Suraiya Jabin** (April, 2016), Poker hand classification, in the proceedings of IEEE International Conference on Computing Communication and Automation, April 29-30, 2016, ISBN 978-1-5090-1666-2, IEEE Conference record 38137, organized by Galgotia University, Greater Noida, UP, India and sponsored by IEEE UP Section. **(Scopus)**
17. Farhana Javed Zareen, **Suraiya Jabin** (2013), A Comparative Study of the Recent Trends in Biometric Signature Verification, 6th International Conference on Contemporary Computing organized by IIIT, Noida August 8-10, 2013, Technical Sponsor: IEEE Delhi Section, in IEEE Xplore (numbered 31296 in the IEEE Record), 10.1109/IC3.2013.6612219, pp. 354 – 358, ISBN 978-1-4799-0192-0 **(Scopus)**
18. Rejaul Karim Barbhuiya, K Mustafa, and **Suraiya Jabin** (December 2011), 'Design perspectives of Intelligent Tutoring System', published in the proceedings on the 5th Indian International Conference on Artificial Intelligence (IICAI), Bangalore, India, pp. 1484-1495, isbn 978-0-9727412-8-6. **(Scopus)**
19. **Jabin, S.**, & Mustafa, K. (2011). Semantic Web based Adaptive Intelligent Tutoring System. In Second International Conference on Advances in Computer Science (AET-ACS track) (pp. 147-152), 2011 Recent Trends in Computer Science, ISBN 978-90-819067-2-2, AET-ACS2011, <http://doi.searchdl.org/02.ACS.2011.02.112>, December 20-21, 2011 in Noida, India.
20. Rejaul Karim Barbhuiya, K Mustafa, and **Suraiya Jabin** (July 2011), 'Design specifications for a generic Intelligent Tutoring System', published in the 2011 International Conference on e-Learning, e- Business, Enterprise Information Systems, & e-Government (EEE'11), pp. 399-404, Copyright 2011, CSREA Press, ISBN: 1-60132-176-7, WORLDCOMP July 18-21, 2011, Las Vegas Nevada, USA.
21. **Suraiya Jabin** and K. Mustafa (October 2010), 'Adaptive Intelligent Tutoring Systems' in the 4th International IEEE conference on Advanced Computing & Communication Technologies, organized by Asia Pacific Institute of Information Technology, Panipat, India in proceedings of IJCSCT, ISSN 0974-3375, pp. 475-480, October 30, 2010.
22. **Jabin S.** (2010), Learning Classifier Systems Approach for Automated Discovery of Hierarchical Censored Production Rules. In: Das V.V., Vijaykumar R. (eds), Information and Communication Technologies. ICT 2010. Communications in Computer and Information Science, vol 101. Springer, Berlin, Heidelberg, pp. 68–77, ISSN: 1865-0929, Print ISBN: 978-3-642-15765-3, Online ISBN: 978-3-642-15766-0, DOI: 10.1007/978-3-642-15766-0_11. **(Scopus)**
23. Singh, T. P., **Jabin, S.**, & Sing, M. (2010, December). Evolving weight matrices to increase the capacity of Hopfield neural network associative memory using hybrid evolutionary algorithm. In Computational Intelligence and Computing Research (ICCIC), 2010 IEEE International Conference, IEEE International 10.1109/ICCIC.2010.5705809, E-ISBN: 978-1-4244-5967-4, Print ISBN: 978-1-4244-5965-0 at Coimbatore, Tamilnadu, India, pp. 1-5. **(Scopus)**
24. **Jabin, S.** and Alam, A. (2008). Learning Classifier Systems Approach for automated generation of Censored Production Rules from large data sets containing Missing and Continuous Attribute values. In R. Stahlbock, S. F. Crone & S. Lessmann (eds.), DMIN, pp. 150-156, CSREA Press. ISBN: 1-60132-062-0. **(Scopus)**
25. **Suraiya Jabin** and Kamal K. Bharadwaj, (August 2006) 'Learning Classifier Systems approach for automated discovery of Censored Production Rules (CPR)' published in the Transactions on Engineering, Computing and Technology Volume 14, ISSN 1305-5313, at '14th World Enformatika Conference; ICIS (International Conference on Intelligent Systems)', pp. 295-300, August 25–27, 2006, Prague, Czech Republic. (This paper was further extended and published as a journal paper: Jabin, S., Bharadwaj, K. (2008). 'Learning Classifier Systems Approach for Automated Discovery of Censored Production Rules'. World Academy of Science, Engineering and Technology, Open Science Index 20, International Journal of Computer and Information Engineering, 2(8), 2730 – 2735, with doi.org/10.5281/zenodo.1057555, url: <https://publications.waset.org/2609/learning-classifier-systems-approach-for-automated-discovery-of-censored-production-rules>)

V. Book Chapters (11)

1. Kaushik, P., & Jabin, S. (2022). Advancements and Challenges in Business Applications of SAR Images, in book titled "Big Data Analytics: Applications in Business and Marketing", ISBN 9781032187662, by Auerbach Publications, Taylor & Francis group. <https://www.routledge.com/Big-Data-Analytics-Applications-in-Business-and-Marketing/Chaudhary-Alam/p/book/9781032187662>
2. Tolosana R. et al. (2021), ICDAR 2021 Competition on On-Line Signature Verification. In: Lladós J., Lopresti D., Uchida S. (eds) Document Analysis and Recognition – ICDAR 2021. Lecture Notes in Computer Science, vol 12824. pp 723-737, Springer, Cham. https://doi.org/10.1007/978-3-030-86337-1_48, Print ISBN 978-3-030-86336-4, Online ISBN 978-3-030-86337-1, https://link.springer.com/chapter/10.1007/978-3-030-86337-1_48.
3. Mishra, S., & Jabin, S. (2021). Recent trends in pedestrian detection for robotic vision using deep learning techniques. In Artificial intelligence for future generation robotics (pp. 137-157). Elsevier. ISBN 9780323854986, <https://doi.org/10.1016/B978-0-323-85498-6.00008-3>. (<https://www.sciencedirect.com/science/article/pii/B9780323854986000083>).
4. Khan, T. A., & Jabin, S. (2021). Recent trends in electroencephalography based biometric systems. In Recent Trends in Communication and Electronics (pp. 467-472). CRC Press, eBook ISBN9781003193838, Sharma, S., Biswas, A., Kaushik, B.K., & Sachan, V. (Eds.). (2021). Recent Trends in Communication and Electronics: Proceedings of the International Conference on Recent Trends in Communication and Electronics (ICCE-2020), Ghaziabad, India, 28-29 November, 2020 (1st ed.). CRC Press. <https://doi.org/10.1201/9781003193838>
5. Kaushik, P., & Jabin, S. (2021). Deforestation Mapping Using MODIS Tree Cover Mask and Sentinel-1 Images. In Micro-Electronics and Telecommunication Engineering (pp. 73-80). Proceedings of 4th ICMETE 2020, Springer, Singapore, ISBN 978-981-334-686-4 http://dx.doi.org/10.1007/978-981-33-4687-1_8 (Scopus)
6. Mishra, S., & Jabin, S. (2020, October). Land Use Land Cover Change Detection using LANDSAT images: A Case Study. In 2020 IEEE 5th International Conference on Computing Communication and Automation (ICCCA) (pp. 730-735). IEEE. pp. 730-735, doi: 10.1109/ICCCA49541.2020.9250801; ISBN (Print-On-Demand): 978-1-7281-6325-3, ISBN (Online): 978-1-7281-6324-6
7. Agarwal, N., Wani, M. A., Bours, P., Jabin, S., & Hussain, S. Z. (2019, December). A Language-independent gender classifier for Online Social Networks. In 2019 IEEE Conference on Information and Communication Technology (pp. 1-7). ISBN: 978-1-7281-5398-8/19 ©2019 IEEE. (Scopus)
8. **Suraiya Jabin** & Farhana Javed Zareen (2018). Chapter Title: Biometric Data in book titled The SAGE Encyclopedia of Lifespan Human Development, Bornstein, M. H. (Ed.). pp. 257-260, Print ISBN: 9781506307657, Online ISBN: 9781506307633, DOI: <http://dx.doi.org/10.4135/9781506307633.n100>, ©2018 SAGE Publications, Inc. All Rights Reserved. (<https://sk.sagepub.com/reference/the-sage-encyclopedia-of-lifespan-human-development/i4814.xml>)
9. Wani M.A., **Jabin S.** (2018) Big Data: Issues, Challenges, and Techniques in Business Intelligence. In: Aggarwal V., Bhatnagar V., Mishra D. (eds), Big Data Analytics. Advances in Intelligent Systems and Computing, vol 654. Springer, Singapore, Springer (AISC Series), pp. 613-628, January 2018, Print ISBN978-981-10-6619-1, Online ISBN978-981-10-6620-7, DOI https://doi.org/10.1007/978-981-10-6620-7_59 (Scopus)
10. **Jabin, S.**, & Mustafa, K. (2012). A Survey of Semantic Web Based Architectures for Adaptive Intelligent Tutoring System. Multidisciplinary Computational Intelligence Techniques: Applications in Business, Engineering, and Medicine: Applications in Business, Engineering, and Medicine, 239. (IGI Global), ISBN 978-1-4666-1830-5 (hardcover), ISBN 978-1-4666-1831-2 (ebook), ISBN 978-1-4666-1832-9 (print & perpetual access), DOI: 10.4018/978-1-4666-1830-5.ch015, pp. 239-256, 2012. (Scopus)
11. **Suraiya Jabin** (August 2010), (book chapter) Robot Learning Using Learning Classifier Systems Approach, Robot Learning, Suraiya Jabin (Ed.), ISBN: 978-953-307-104-6, DOI: 10.5772/10247, pp. 1-16, Book Title: Robot Learning, Publisher Scioy Intech Open, edited by Suraiya Jabin, (Hard cover, 150 pages, August 12, 2010 under CC BY-NC-SA 3.0 license)

VI. Posters (2)

1. Farhana Javed Zareen, **Suraiya Jabin**, poster presentation titled “*Biometric signature authentication on the go*” in session II under the theme “**Computational Techniques Based Innovation in Science and Human Development**” in one day National Seminar on “**Recent Trends in Computer Science**” on March 30, 2016 organized by Department of Computer Science, JMI, New Delhi.
2. Mudassir Ahmad Wani, Nancy Agarwal, Suraiya Jabin, Syed Zeeshan Hussain, “*You can’t stop me, IMcrauler*”- *An Online Social Network (OSN) data crawler* in National Seminar, organized by Department of Computer Science, JMI, New Delhi on February 28, 2017

VII. Infrastructural Grants/Projects: (1) Completed

S. No.	Title	Sponsor	Budget	Tenure	Role (PI/ co-PI)
1.	Bioinformatics Infrastructure Facility centre at Department of Computer Science Jamia Millia Islamia, New Delhi, India	Department of Biotechnology, Government of India	45 Lakhs INR	2011-19 (8 Years)	PI/ Coordinator

* This was an Infrastructural grant titled "**Bioinformatics Infrastructure Facility (BIF) center**" funded by the Department of Biotechnology, Government of India vide order no. BT/BI/25/031/2012(BIF), grant amount: 45 Lakhs INR during 2011 to 2019 with me as Principal Investigator.

My role: BIF Coordinator, Status: term ended in 2020.

During this grant, I was actively involved in computational biology research and utilizing budget in line with the aim of project to promote bioinformatics research, preparing annual reports showing progress, utilization certificate at the end of every financial year, etc. BIF center grant played very important role to support research in Bioinformatics and Computational Biology in the department under my leadership with budget heads to strengthen infrastructure in terms of hardware, software, and recruiting human resources (Traineeship, Studentship, Research Associate). During my term as Coordinator, I was actively engaged in Bioinformatics research with more than 5 SCIE research papers as outcome. I successfully conducted national level workshops (total 6) in the area of bioinformatics every year. A total of 3 high-end GPU workstations and docking s/w GoldSuit were purchased under this project grant along with other important equipment.

Other than this funded DBT-BIF grant, Dr. Suraiya Jabin along with her team is actively engaged in the implementation of these **collaboratory projects** with partners from AIIMS, New Delhi, India, Faculty of Dentistry, JMI, and Electrical Engineering department, JMI.

Bacterial Classification and AMR (antimicrobial resistance) Phenotype prediction for clinical raw sequence (Whole Genome Sequence data)

Under this project, an AI model is implemented for whole genome sequence (FASTQ/FQ) classification in 8 ESKAPEE categories. This AI model is publicly deployed at <http://115.241.23.53:8000/>. This dynamic web server allows users or pathologists to upload their clinical raw sequence sample and know the type of ESKAPEE bacteria present in it in real-time. An extension of this work is under progress towards the implementation of an AI model for antimicrobial resistance (AMR) phenotype prediction (resistant/susceptible both) using WGS/NGS data. This AI model automates wet lab bacterial cultures to a complete dry lab solution with the help of NGS technology. Any short sequencer may take 20-30 minutes to turn a wet lab sample (swab, sputum, urine, frugal, etc.) into a whole genome sequence (FQ/FASTQ/FASTA or clinical SRA data) to classify it in ESKAPEE categories of bacterial phyla; e.g.; an input FASTQ sequence of size 3 Giga base pairs gets classified within 20 minutes in 7 ESKAPEE and non-ESKAPEE categories with more than 95% accuracy. We need to integrate the next step of announcing AMR phenotypes both resistant and susceptible for the uploaded sequence. A wet lab bacterial culture takes 1-3 days whereas our solution announces similar results in an hour for a moderate-sized input (e.g. 3 Gbp). We did a time and feasibility analysis of our model over a huge real-life test dataset.

Mental Task Classification

Another non-funded project under implementation is about AI model for mental task classification using EEG data collected in collaboration with Electrical engineering department, Faculty of Engineering, JMI. An ethical clearance has been obtained from Institutional Ethics Committee, JMI for enrolment of subjects and EEG data collection under novel data collection protocols.

CBCT data analysis

The third non-funded project work under progress is in collaboration with Faculty of Dentistry, JMI & GE HealthCare. In order to support various activities of different departments such as implant planning, caries identification, disease diagnosis, etc., conducting CBCT scans is a regular task at Faculty of Dentistry, JMI. A total of at least 1000 CBCT volumes of the patients who reported or will report for various disease diagnoses at Faculty of Dentistry, JMI will be gathered retrospectively and prospectively. After anonymization and proper annotation, these will be used to build and train AI model, mainly using techniques such as Vision Transformer and Self Supervised Learning to model the cognition of a dental radiology expert. This AI system will facilitate oral radiologists to engage in much creative tasks by helping them facilitate their daily diagnoses. The proposed AI model once deployed, will be beneficial for reducing radiologists' workload and aiding dentists in treatment planning at JMI. We obtained ethical clearance from Institutional Ethics Committee (IEC), JMI for conducting this work.

Smartphone Signature Biometrics

With the ubiquity of smartphones, the need for foolproof authentication mechanisms that support 'authentication on the go' and remote authentication is on the rise. Signature being the most sophisticated authentication method, this project explored idea of designing signature based robust authentication method combined with smartphone sensor-based features. We used sensor enabled biometric signature database iSignDB which has recorded images of signatures along with associated smartphone background sensor readings such as accelerometer, gyroscope, magnetometer, etc. captured while signing on the touchscreen of the smartphone. Additionally, we captured index finger images of same users to be able to implement more secure multi-modal biometric authentication model for smartphone users. The work on implementation of authentication system using smartphone sensor enabled signature data is completed. The implementation of authentication system using finger images (captured with smartphone camera) is under progress. An Indian Patent No. 429295 granted dated February 28, 2017 is outcome of this project.

All of these projects mentioned above are under implementation and are non-funded currently.

Number of Ph.D.s Guided: 8

S. No.	Ph.D. Title	Date of Registration	Date of thesis awarded	Co-Supervisor	Student Name and current profile
1.	Study of Recurrent Neural Networks for Pattern storage and recalling with evolutionary Algorithms	March 29, 2010	November 23, 2016	Nil	Dr. Thipendra Pal Singh (Professor, School of Computer Science & Engineering, Bennett University, Greater Noida, India)
2.	An adaptive Signature Recognition System as a Biometric Technology using Neural Networks	September 26, 2012	February 1, 2018	Nil	Dr. Farhana Javed Zareen (NET-JRF/SRF), Lead Data Scientist, Crisp Analytics Pvt. Ltd., Noida, India
3.	Fake Profile detection in online social networks	September, 2014	April 11, 2019	Nil	Dr. Mudassir Ahmad Wani, Research Scientist, Prince Sultan University, KSA
4.	Synthetic Aperture Radar (SAR) image modelling and analysis for Environment protection	September, 2015	June, 2022	Nil	Mrs. Prachi Kaushik (Assistant Professor, Government College, Gurgaon) - Vishvesvaraya Scheme
5.	Intuitionistic Fuzzy Modelling of Physician's Decision Process	March 30, 2016	February 10, 2023	Nil	Mrs. Shahla Tarannum (Computer operator, UGC-HRDC, JMI) - Vishvesvaraya Scheme
6.	Function Prediction of Hypothetical Proteins Using Machine Learning Techniques	November 4, 2016	October 7, 2024	Nil	Ms. Shabanam Khatoon, NET-JRF/SRF-2014
7.	A Soft Biometrics system to monitor crowd using deep learning	August 14, 2018	Thesis submitted	Nil	Mr. Sarthak Mishra (NET-JRF/SRF-2019)
8.	Design and evaluation of Anti-spoofing Biometric systems	February 19, 2019	August 8, 2024	Nil	Mrs. Sumaiya Ahmad (NET)
Number of Ph.D. students currently enrolled: 4 full-time					
9.	Mental task classification using Electroencephalography (EEG) data	September 13, 2021	Still Contd.	Nil	Ms. Anam Suri (NET-JRF/SRF-2020)
10.	NDD & Disease outbreak prediction	September 13, 2021	Still Contd.	Nil	Ms. Soofi Shafiya (NET-JRF/SRF-2020)
11.	Cone beam computed tomography (CBCT) volume analysis and segmentation	September 26, 2022	Still Contd.	Prof. Mandeep Kaur (JMI), Dr. Deepa Anand (GE HealthCare)	Ms. Saba Sarwar (NET)
12.	Bone density estimation and implant planning using CBCT	April, 2024	Contd.	Prof. Mandeep Kaur (JMI)	Mr. Devansh Sharma (NET)

Projects guided at Postgraduate Level: more than 80

Courses taught at Ph.D./P.G./U.G. level

Pre-Ph.D. course work on AI, Deep Learning, & Machine Learning: Jan 2017-2025

AI & Machine Learning: Jan 2024-2025

Data Mining & Warehousing – Jan 2021-2025

Machine Learning & Soft Computing: Jul 2017- 2021

Digital Image Processing: Jul 2017-2020

Artificial Intelligence: July 2007-2024

Machine Learning Techniques in Bioinformatics (M.Sc.-Bioinformatics): Jul 2016-2018, 2020, 2021, 2023

Web based development using J2EE- January 2018

Advanced Database Management System (MCA II Semester): January 2012, 2017, 2023

Programming & Problem-Solving using C (B.Sc. II Sem): 2007-2011, January 2023

Mathematical Foundations of Computer Science and MATLAB (MCA I Semester): Jul 2016, Jul 2008–2010

Systems Programming: Jan 2013–2016

Compiler Design: Jan 2007–2011

Programming in C: 2010-2015

OOP using C++/Java: 2010-2016

Membership of International Bodies/TPC of International Conferences:

Editorial Review Board: International Journal of Artificial Intelligence and Machine Learning (IJAIML), IGI Global; International Journal of Bioinformatics and Intelligent Computing (IJBIC), Research Lake journals since 2021.

-Guest Associate Editor of reputed journal 'Frontiers in Computer Science' and 'Frontiers in Dental Medicine' since November 2024.

Reviewer of selected Journals of: ACM, Heliyon (Cell Press), IEEE, Heliyon Cell Press, NAR Genomics and Bioinformatics, OUP, PONE, Wiley, InderScience IJBM, Springer, Elsevier, IET, IGI, IJBIC, Taylor & Francis Information Security Journal: A Global Perspective, Electronics, Consumer Electronics, etc.

- ACM professional membership (Jan 2024-contd.) awarded as token of appreciation for reviewing research papers of ACM's journals (membership number: 5167921).
- Member, The ACM Special Interest Group on Computer Science Education (ACM SIGCSE), USA for duration November 2011- October 2012
- Life member of Indian Society for Technical Education (ISTE), India. (Member No.: LM 35722) since 2005.
- Life member (Member id: 13) of Asia Pacific Bioinformatics Interaction & Networking Society (APbians), India, since July 22, 2018.
- Program Committee Membership/TPC and Reviewer: AIAA-2013, DMSI-2013, ICCA-2015-2017, ICIT-2015, INDICON 2015, NGCT-2017, ICICCT-2017, GUCON 2018, ICACCCN 2018, ICACCI-2018-2020, ICCA 2020-22, UPCON 2019, ICPECA 2019, ICACS2020, FCSIT 2020, ICACIT 2021, ACAI 2021, PRIS 2022, MINDS 2022, GUCON 2022, GlobConPT 2022, GlobConHT 2023, MICML 2023, ADMIT2023, PRIS 2023, CCVPR 2023, 2024, CIPCV 2024, ICSTE 2024, CCVPR 2024, ADIP 2024, ITCC 2024, AIACT 2025, IVSP 2025, ICCCV 2025

<https://publons.com/researcher/1591387/surainya-jabin/>

web of science id: <https://www.webofscience.com/wos/author/record/116233>

Scopus profile: <https://www.scopus.com/authid/detail.uri?authorId=26326867600>

Google Scholar profile: <https://scholar.google.co.in/citations?user=f1F1Bg8AAAAJ&hl=en>

Orcid: <https://orcid.org/0000-0002-0648-2616>

ResearcherID: D-6363-2018

ResearchGate ID: <https://www.researchgate.net/profile/Surainya-Jabin>

Scopus Author ID: 26326867600

<https://academic.microsoft.com/profile/410j0e40-i93i-4g4e-9efh-6793g11h927e/SurainyaJabin/>

<https://www.morressier.com/profile/6719fa5658bd0dba45ad4996>

Invited Talks: only most recent ones

S. No.	Topic	Date	Name of Institutes/Organizer
1.	Session Chair titled “Software Design and Information System Development”	August 17, 2024	14th International Conference on Software Technology and Engineering (ICSTE 2024), Macau, China (online mode).
2.	Application of AI techniques in Social Sciences	June 27, 2022	1st Two-Week Refresher Course in Social Sciences, organized by UGC-Human Resource Development Centre, JMI
3.	State of Art AI Technologies in Digitized Societies	November 22, 2021	5 Days ATAL Faculty Development Program (Online) on "Advanced Technologies for Societal Changes: A 360-degree view", during November 22-26, 2021, organized by the School of Computer Science, UPES, Dehradun, India, sponsored by AICTE.
4.	Recurrent Neural Network & Biometrics	October 25, 2021	3 rd Online 2-Week Refresher Course in Computational and Mathematical Sciences from October 22 to 5 November 2021, Human Resource Development Centre, JMI
5.	AI based solutions and challenges, and Recurrent Neural Network	September 24, 2021	5 days ATAL FDP on “Applications of Machine Learning (Advanced Level)” organized by Department of Computer Science and Engineering, Rajiv Gandhi University, Ita Nagar, Arunachal Pradesh, India, and sponsored by AICTE Training and Learning (ATAL) Academy during September 20-24, 2021. (https://rgu.ac.in/departement-of-computer-science-engineering/#1605680393118-2300e38a-040c)
6.	Countering Next Generation Biometric Threats	October 15, 2020	Participated as invited expert in panel discussion in “ <i>Identity Week Asia Virtual 2020</i> ”, Science Media Partners, UK (https://www.terrapinn.com/exhibition/identity-week-asia/speaker-surainya-JABIN.stm)
7.	AI and Behavioral Biometrics	February 10, 2020	Invited talk at Two-week Refresher course on Computational & Mathematical Sciences during February 7-20, 2020 conducted by UGC-Human resource Development Center, JMI , New Delhi, India
8.	Artificial Intelligence and its Applications	January 27, 2020	Invited Talk in Tech Summit 2020 , Empower Women in Technology, D&I, at EXL Analytics , Gurgaon, India
9.	AI based Applications	August 2, 2019	Keynote Speech in UGC sponsored National Conference on Emerging Trends in Information Technology (NCETIT-2019) organized by Kalindi College , University of Delhi.
10.	Artificial Intelligence and Biometrics	March 2, 2019	Keynote Speech in COMTECH 2019–2 nd National Conference on Recent Innovations in Computer Science & Information Technology, Computer Science and Engineering Department, IILM, Greater Noida .
11.	Artificial Intelligence Techniques and its Applications	October 8, 2018	UGC Sponsored “122 nd 4-Week Orientation Program during Sep 25-Oct 25, 2018”, organized by UGC- Academic Staff College, JMI , New Delhi, India.
12.	Applications of Machine Learning Techniques for Digital Image Processing	February 17, 2018	International Conference on Recent Advances in Mathematics (ICRAM-2018) organized by Department of Mathematics, Aggarwal College Ballabgarh , Affiliated to M.D. University, Rohtak, Faridabad – 121 004 Haryana during February 17-18, 2018
13.	Applications of Artificial Intelligence Techniques in Science	November 29, 2017	UGC Sponsored “1 st 3-week Refresher Course in Contemporary Studies (Interdisciplinary)” with theme of the course is “Science, Society and Education: A Contemporary Convergence”, organized by UGC- Academic Staff College, JMI , New Delhi, India.
14.	Machine Learning Techniques (GA and ANN) for Data Mining	May 23, 2014	UGC Sponsored “4 th Refresher Course in Basic Sciences – Interdisciplinary” organized by UGC- Academic Staff College, JMI , New Delhi, India

15. Session 1: Applications of Machine Learning Techniques for Data Mining June 14-15, 2013 Faculty Development Program on “Data Mining and Semantic Web” organized by **Delhi Institute of Advanced Studies (DIAS), Rohini**, New Delhi, India.
Session 2: Hands on session on MATLAB and WEKA

Workshops/Training/Refresher Programs Attended: 17

S. No.	Title of Workshop	Duration	Organized Place
1.	One-week workshop on “ New Education Policy 2020 Orientation & Sensitization programme ” Training Program ID: MMC-073-2024-JAN-A-00820	Jan 8-17, 2024	UGC Malaviya Mission Teacher Training Program, Guru Nanak Dev University, Amritsar (online mode)
2.	One-day International Symposium on Emerging Trends in Deep Learning and Data Analytics (ET-DLDA’23)	June 15, 2023	Laboratory for Data Science and Analytics (LDSA), Department of Computer Science, South Asian University, New Delhi, India
3.	One-day International Symposium on Emerging Trends in Deep Learning and Data Analytics (ET-DLDA’23)	June 21, 2022	Laboratory for Data Science and Analytics (LDSA), Department of Computer Science, South Asian University, New Delhi, India
4.	One week duration GIAN course on ‘ Cloud-based Bioinformatics with Apache Spark ’	October 3-7, 2018	School of Computational and Integrative Sciences, JNU, New Delhi, India, under the aegis of Global Initiative of Academic Networks (GIAN), MHRD, Govt. of India.
5.	Two days Summer Training on Regression and Deep Learning (RDL’ 18)	June 11-12, 2018	Organized by Department of Computer Science, South Asian University, Akbar Bhawan, Chanakyapuri, New Delhi-21
6.	Trainers Workshop on Developing and delivery of MOOCs on SWAYAM Platform	November 9, 2017	Organized by A.J.K. Mass Communication Research Centre, JMI, New Delhi, India
7.	International Research Workshop on Cloud Computing (RWCC-2016)	December 22-23, 2016	Organized by School of Computer and Systems Sciences, JNU, New Delhi – 110067, India
8.	Workshop on ‘ Big Data Biotechnology and Bioinformatics: Challenges and Opportunities for India ’ in 5th International Conference on Digital Libraries (ICDL 2016)	December 15, 2016	Organized by TERI (The Energy and Resources Institute) Darbari Seth Block, IHC Complex, Lodhi Road, New Delhi, funded by Department of Biotechnology, Govt of India
9.	National workshop on Patinformatics for Bioinformatics	March 5, 2016	BIF center, Department of Biotechnology, Kumaun University, Bhimtal, sponsored by DBT, Govt. of India
10.	27 th BTISnet Annual Coordinators Meeting	March 3-4, 2016	organized by BIF Center, Department of Biotechnology, Kumaun University, Bhimtal and funded by DBT, Govt. of India
11.	One week duration GIAN course on ‘ Graph Mining and Analysis ’	December 17-23, 2015	Department of Computer Science, JMI, under the aegis of Global Initiative of Academic Networks (GIAN), MHRD, Govt. of India
12.	UGC Sponsored “Refresher Course in Basic Sciences – Interdisciplinary”	May 9-30, 2013	UGC-Academic Staff College, JMI
13.	Academic Interface Faculty Development Program on “Banking and IT, Information Security and Risk Management, Quality Assurance and S/W Estimation and Green IT”	July 21, 2012	Conducted by Tata Consultancy Services at BVICAM (Bharati Vidyapeeth's Institute of Computer Applications & Management), A-4, Paschim Vihar, Rohtak Road, New Delhi-110063 (INDIA)
14.	1 week Workshop on “Capacity Building of Women Managers in Higher Education”	April 24-28, 2012	sponsored by UGC, organized by Sarojini Naidu Center for Women’s Studies, JMI, New Delhi, India
15.	Four-week Refresher Course in Computer Science and Information Technology	August 29-September 23, 2011	UGC-Academic Staff College, JNU
16.	Seminar on “MATLAB and Simulink for Engineering Education”	August 18, 2011	MathWorks, India
17.	92 nd Four-week Orientation Program	April 13- May 10, 2010	UGC-Academic Staff College, JMI

Workshops/Events organized: 12

S. No.	Title of Workshop	Duration	Organized Place
1.	5 th Annual Alumni Meet of Computer Science department: “ Milestone 2023 ”, participated as Convener	August 27, 2023	Organized by DCS, JMI, venue: Polytechnique auditorium, JMI
2.	4 th Annual Alumni Meet of Computer Science department: “ Milestone 2021 ”, participated as Convener	August 28, 2021	Organized by DCS, JMI, venue: Google Meet
3.	Webinar on Career Guidance and Goal Setting – “ HR Conclave 2020 ”, participated as Convener	July 26, 2020	Organized by Department of Computer Science, JMI, venue: Google Meet
4.	3 rd Annual Alumni Meet of Computer Science department: “ Milestone 2019 ”, participated as Convener	October 13, 2019	Organized by DCS, JMI, venue: CIT auditorium
5.	2 nd Annual Alumni Meet of Computer Science department: “ Milestone 2018 ”, participated as Convener	November 18, 2018	Organized by DCS, JMI, venue: Faculty of Engineering auditorium

6.	8 th DBT-BIF National Workshop on Translational Bioinformatics: Bench to Bedside (NWTB: B2B-2018), Participated as Convener	April 9-10, 2018	Organized by DCS, JMI, funded by BIF Jamia, Department of Biotechnology, Govt. of India, New Delhi
7.	1 st Annual Computer Science Department Alumni Meet: “Milestone 2017”, participated as Convener	October 28, 2017	Organized by DCS, JMI, venue: Polytechnic Auditorium
8.	7 th DBT-BIF National Workshop on Translational Bioinformatics (NWTB-2017), participated as Convener	Feb 15-16, 2017	Organized by DCS, JMI, funded by BIF Jamia, Department of Biotechnology, Govt. of India, New Delhi
9.	6 th DBT-BIF workshop: Advances in Computational Biology and Bioinformatics (ACBB-2015), participated as Convener	Feb 27-28, 2015	Organized by DCS, JMI, funded by BIF Jamia, Department of Biotechnology, Govt. of India, New Delhi
10.	5 th DBT-BIF workshop: WORKSHOP on Bioinformatics Infrastructure & Frontiers, Participated as Convener	Mar 13-14, 2012	Organized by DCS, JMI, funded by BIF Jamia, Department of Biotechnology, Govt. of India, New Delhi
11.	2 nd DBT-BIF workshop: Semantic Web and Ontologies in Bioinformatics, Participated as Convener	Jan 9-11, 2008	Organized by DCS, JMI, funded by BIF Jamia, Department of Biotechnology, Govt. of India, New Delhi
12.	1 st DBT-BIF workshop: Databases and Data Mining in Bioinformatics, Participated as Convener	Nov 14-16, 2007	Organized by DCS, JMI, funded by BIF Jamia, Department of Biotechnology, Govt. of India, New Delhi

Co-curricular Activity:

- Session Chair titled “Software Design and Information System Development” in 14th International Conference on Software Technology and Engineering (ICSTE 2024), Macau, China on August 17, 2024 (online mode).
- Session Chair in the International Conference on Recent Advances in Electrical, Electronics & Digital Healthcare Technologies, 2023 (REEDCON 2023)* IEEE Delhi section, during May 1-3, 2023 (on May 2 session 11) organized by Department of Electrical Engineering, Jamia Millia Islamia, New Delhi.
- Track Chair, Computational Intelligence in 5th IEEE International Conference on Computing, Communication and Automation (ICCCA 2020), jointly organized by Aurel Vlaicu University of Arad, Romania & Galgotias University, India, October 30-31, 2020 (<http://iccca.in/ICCCA2020/tc.html>).
- Session chair in International Conference on machine Intelligence & Data Science Applications (MIDAS 2020), In association with "Next Generation Computing Technologies" (NGCT-Society) organised by University of Petroleum and Energy Studies (UPES), Dehradun, INDIA, 5th September 2020
- Track chair, coordinated successfully **Computer Science track** of Multidisciplinary International Conference (**JTACON-2020**) on February 17, 2020, organised by Jamia JTA during February 16-18, 2020 to celebrate 100 years of existence of JMI.
- Participate actively as member of organizing team for national level yearly IT festival **Tecknothon 2018, Tecknothon 2017-Convener, Tecknothon 2016, Tecknothon 2015** organized by Department of Computer Science, JMI, New Delhi, India
- **Attended 27th BTISnet Annual Coordinators Meeting** organized by BIF Center, Department of Biotechnology, Kumaun University, Bhimtal and DBT, Govt. of India during March 3-4, 2016.
- **Technical Session Chair**, on theme “Application of Image Processing and Computer Networking in Power Electronics and Automation” at **International Conference on Power Electronics, Control & Automation (ICPECA-2019)** organized by Department of Electrical Engineering, Jamia Millia Islamia and funded by SPARC and IEEE Delhi section during November 16-17, 2019.
- **Technical Session Chair**, at **12th IEEE Conference INDICON 2015** organised by Department of Electrical Engineering, JMI during December 17-20, 2015.
- Apart from teaching, my duties include curriculum design, paper-setting, time-table design, examining and evaluation, invigilation, course advisor ship, and convenorship of annual workshop of DCS, JMI funded by DBT-BIF, placement coordinator etc.
- Participate actively and regularly every year in admission process of Department of Computer Science, JMI since 2007 to contd.
- Participated as *Member of organizing team* in Annual Festival of university Natural Science Info Fest “NSIF” during 28th Feb to 2nd March 2007, conducted by Dept. of Computer Science, JMI, New Delhi, India.
- Participated as *Member of organizing team* in Annual Festival of university Natural Science Info Fest “NSIF” during 4th March to 6th March 2008, conducted by Dept. of Computer Science, JMI, New Delhi, India, organized a Quiz Competition on ‘*Science and Computing*’ for students of various departments in the faculty.
- Participated as *Member of organizing team* for national level yearly IT festival “**NERDZ**” conducted by Dept. of Computer Science, Jamia Hamdard, New Delhi, India for continuously four years 2003, 2004, 2005
- Invigilator for Jamia Hamdard Entrance Examinations for years 2003 to 2005.
- Apart from teaching, I also guide postgraduate students to work on their final semester project for the duration of six months.
- Member of **Academic Council**, Jamia Hamdard for the duration December 2005 to November 2006.
- Member of Board of studies (BOS), Department of Computer Science, Jamia Hamdard, N. Delhi, India during 2004-2005.
- Participated as **tour in-charge for an educational trip** to Kanniyakumari, Ooty and Thiruvananthapuram during sports week, October 2003 for students of BCA III year, Department of Computer Science, Jamia Hamdard.

Personal profile:

Date of Birth:	01.01.1979
Marital Status:	Married
Date of Retirement	December 31, 2043

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January 3, 2025

(Suraiya Jabin)
New Delhi, India