




PERSONAL INFORMATION **Shahab Saquib Sohail**

-  School of Engineering Sciences and Technology, Jamia Hamdard, India.
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PROFESSIONAL CAREER

- October 2025 - present **Assistant Professor (Regular)**
Department of Computer Science and Engineering, School of Engineering Science and Technology, (CSE, SEST) Jamia Hamdard, New Delhi, India.
- January 2025 – September 2025 **Assistant Professor Senior Grade 1**
School of Computing Science and Engineering, VIT Bhopal University, Sehore, MP 466114, India.
- January 2024 – January 2025 **Assistant Professor, Grade 2**
School of Computing Science and Engineering, VIT Bhopal University, Sehore, MP 466114, India.
- October 2017 – January 2024 **Assistant Professor**
Department of Computer Science and Engineering, School of Engineering Science and Technology, (CSE, SEST) Jamia Hamdard, New Delhi, India.

ROLES & RESPONSIBILITIES

- Course Coordination & Event Management**
- Taught Machine Learning, Artificial Intelligence, Data Science, Information technology, and Data Mining at UG (B tech & BCA) and PG (MCA) levels.
 - **Innovation Ambassador** of AICTE, Govt. of India at IIC, Jamia Hamdard.
 - **Joint conference secretary**, international conference 'ICIDSSD 22,' Jamia Hamdard, New Delhi, India, from 24 March to 25 March 2022.
 - **Assistant Editor**, Proceeding of the ICIDSSD 22.
 - **Sub-Editor**, School newsletter, SCOPE, VIT Bhopal University, MP 466114.
 - **Joint conference secretary**, international conference 'ICIDSSD 20,' Jamia Hamdard, New Delhi, India, from 27th Feb to 28th February 2020.
 - **Assistant Editor**, Proceeding of the ICIDSSD 20.
 - Organizing committee member of international conference ICIDSSD 2019, New Delhi, India.
 - **Co-Coordinator** of BCA course, Department of CSE, SEST, Jamia Hamdard, New Delhi.
 - Responsible for setting up the question papers and its evaluation for courses like BCA, B.Tech, MCA etc.
 - Re-designed syllabus for MCA program, Jamia Hamdard, New Delhi.
 - Core committee member, for syllabus design, SCOPE, VIT Bhopal University, MP 466114, India.
- Mentorship**
- Successfully guided **19 UG students** for their final semester dissertations.

EDUCATION & SPECIALIZATION

September 2012 – August 2017

Ph. D in Computer Science

Aligarh Muslim University, U.P, India

Title - Feature Analysis and Recommendation for Online Shopping using Web Mining Techniques.

Summary: Recommender systems have played a great role in providing ease of access and satisfaction for online users. However, these systems face several issues like cold start which has yet to be addressed adequately. We propose a solution to cold start problem which is based on the consensus ranking of the item that suits majority of the group to which user belongs. The suggested approach saves time and eases the complexities involved in the recommendation. In this work, we have considered problem of book recommendation for computer science graduate students in Indian perspectives.

The comparisons of the proposed approaches are made on the basis of 8 different parameters. The parameters are P@10, FPR@10, FNR@10, Mean Average Precision (MAP), Mean Reciprocal Rank (MRR), Mean Absolute Error (MAE), Root Mean Square Error (RMSE), and Spearman rank correlation coefficient. The proposed Opinion Mining Technique has performed well and produces a better result for each parameter. The major contributions in the thesis include –

- Design of book recommender system to recommend books for the syllabus of Indian universities.
- The ranked approach has been suggested for recommendation.
- Incorporated various fuzzy linguistic quantifiers for recommender systems.
- Proposed an evaluation framework for the evaluation of Recommender Systems.
- 20 papers have been published in from thesis in reputed High-quality quality conference proceedings, and book chapters.
- The work has been cited as top work on books by an Indian researcher in ‘Last Fort night’, a news column of the Current Science journal in Feb 2018 issue.

Areas of interest

- Recommender Systems
- Machine Learning
- Social Network Analysis
- Ethics in AI
- Artificial Intelligence

July 2008 – May 2011

Master of Computer Science and Applications

Aligarh Muslim University, Aligarh, India

- Projects –
 - School Management System for Visually challenged
 - Chaos based Encryption Scheme

RESEARCH SUMMARY

Number of articles

Scopus (Journals, Conferences & Book Chapters): 120**RESEARCH PUBLICATIONS**

Journals (with IF and citation details), Conferences and Book Chapters

Appendix 1, Appendix 2, and Appendix 3, respectively.

Key Publications (in Q1 Journals)

- Nadeem M, Sohail SS, Cambria E, Afreen S. South Asian biases in language and vision models. *Nature Machine Intelligence*. 2025 Nov 13;1-3 **IF 23.4, (Q1)**.
- Farhat, F. and Sohail, S.S., 2026. From prompts to partners: agentic artificial intelligence in T-cell immunology. *Intelligent Medicine*. **IF 5.6, (Q1)**.
- Sohail SS, Himeur Y, Kheddar H, Amira A, Fadli F, Atalla S, Copiaco A, Mansoor W. Advancing 3D point cloud understanding through deep transfer learning: A comprehensive survey. *Inf Fusion*. 2024 Jul 27;102601. **IF 15.5, (Q1)**.
- Nadeem M, Sohail SS, Madsen DØ, Alzahrani AA, Del Ser J, Muhammad K. A multi-modal assessment framework for comparison of specialized deep learning and general-purpose large language models. *IEEE Trans Big Data*. 2024. Accepted for publication. **IF 5.7, (Q1)**.
- Nadeem M, Javed L, Sohail SS, Cambria E, Hussain A. Are Foundation Models the Next-Generation Social Media Content Moderators? *IEEE Intelligent Systems*. 2024 Dec 5;39(6):70-80. **IF 6.6, (Q1)**.
- Nadeem M, Sohail SS, Cambria E, Schuller BW, Hussain A. Gender bias in text-to-video generation models: A case study of Sora. *IEEE Intelligent Systems*. 2025 Jun 11;40(3):10-5. **IF 6.6, (Q1)**.
- Anas M, Saiyeda A, Sohail SS, Cambria E, Hussain A. Can generative AI models extract deeper sentiments as compared to traditional deep learning algorithms?. *IEEE Intell Syst*. 2024 Apr 30;39(2):5-10. **IF 6.6, (Q1)**.
- Alsagri HS, Sohail SS. Fractal-inspired sentiment analysis: Evaluation of large language models and deep learning methods. *Fractals*. 2024 Aug 30. **IF 2.7, (Q1)**.
- Alsagri HS, Farhat F, Sohail SS, Saudagar AKJ. ChatGPT or Gemini: Who makes the better scientific writing assistant?. *J Acad Ethics*. 2024. **IF 2.7, (Q1)**.
- Nadeem M, Sohail SS, Javed L, Anwer F, Saudagar AKJ, Muhammad K. Vision-enabled large language and deep learning models for image-based emotion recognition. *Cogn Comput*. 2024;1-14. **IF 4.4, (Q1)**.
- Khan I, Sohail SS, Madsen DØ, Khare BK. Deep transfer learning for fine-grained maize leaf disease classification. *J Agric Food Res*. 2024;16:101148. **IF 6.1, (Q1)**.
- Sohail SS, Javed Z, Nadeem M, Anwer F, Farhat F, Hussain A, et al. Multi-criteria decision making-based waste management: A bibliometric analysis. *Heliyon*. 2023;9. **IF 3.4, (Q1)**. doi: 10.1016/j.heliyon.2023.e21261.
- Sohail SS, Farhat F, Himeur Y, Nadeem M, Madsen DØ, Singh Y, et al. Decoding ChatGPT: A taxonomy of existing research, current challenges, and possible future directions. *J King Saud Univ Comput Inf Sci*. 2023;101675. **IF 5.9, (Q1)**.
- Areeb QM, Nadeem M, Sohail SS, Imam R, Doctor F, Himeur Y, et al. Filter bubbles in recommender systems: Fact or fallacy—A systematic review. *WIREs Data Min Knowl Discov*. 2023. **IF 11.7, (Q1)**.
- Anwar K, Zafar A, Iqbal A, Sohail SS, Hussain A, Karaca Y, et al. Artificial intelligence-driven approach to identify and recommend the winner in a tied event in sports surveillance. *Fractals*. 2023 Apr 13. doi: 10.1142/S0218348X23401497. **IF 2.7, (Q1)**.
- Alam MT, Sohail SS, Ubaid S, Shakil, Ali Z, Hijji M, et al. It's your turn, are you ready to get vaccinated? Towards an exploration of vaccine hesitancy using sentiment analysis of Instagram posts. *Mathematics*. 2022;10(4165). **IF 2.3, (Q1)**. doi: 10.3390/math10224165.
- Himeur Y, Sohail SS, Bensaali F, Amira A, Alazab M. Latest trends of security and privacy in recommender systems: A comprehensive review and future perspectives. *Comput Secur*. 2022;102746. **IF 5.4 (Q1)**.

CORE rank Conferences

- Mohsin AS, Nadeem M, **Sohail SS**, Arsalan T, Gogate M, Saleem N, Hussain A. Investigating Gender Bias in Text-to-Audio Generation Models. InProc. **Interspeech** 2025 2025 (pp. 3369-3373).
- Kashyap GS, Joshi H, Kulahara M, Dhakar R, Sajjanhar A, Gao J, Jain S, **Sohail SS**. Can AI See What We Can't? Leveraging Deep Learning and Multi-Temporal Satellite Data to Revolutionize Crop Type Mapping and Yield Prediction. In**ICASSP** 2025-2025 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) 2025 Apr 6 (pp. 1-5). IEEE.
- Aman T, Nadeem M, **Sohail SS**, Anas M, Cambria E. Owls are Wise and Foxes are Unfaithful: Uncovering Animal Stereotypes in Vision Language Models. In**Pacific-Asia Conference on Knowledge Discovery and Data Mining 2025** (pp. 409-417). Springer, Singapore.
- M. Anas, M. Nadeem, S. S. Sohail, E. Cambria and A. Hussain, "Are Horses Always Strong and Donkeys Dumb? Animal Bias in Vision Language Models," 2025 International Joint Conference on Neural Networks (IJCNN), Rome, Italy, 2025, pp. 1-10, doi: 10.1109/IJCNN64981.2025.11228584.
- ZH Siddiqui, D Nadeem, MM Rahman, M Nadeem, SS Sohail et al., "Surgeons Are Indian Males and Speech Therapists Are White Females: Auditing Biases in Vision-Language Models for Healthcare Professionals," in 2025 IEEE International Conference on Data Mining Workshops (ICDMW), **Washington, DC, USA**, 2025, pp. 500-509, doi: 10.1109/ICDMW69685.2025.00070.

Article in News Column

- "An OWA based Ranking Approach for University Books Recommendation," has been included in the News Column 'Science last fortnight' as the most influencing research article on book recommendation recently by any Indian author. Current Science, Vol. 114, No.3, 10 Feb 2018.

PATENTS

- **Shahab Saquib Sohail** and Tabish Mufti, "A Framework for Protecting Personally Identifiable Information Over Social Network Sites," IN Patent App. 202011008988 A. (**FER submitted**).
- **Shahab Saquib Sohail**, Santosh Kumar Sahoo, Gunjan Ansari, Zaheer Kareem Ansari, IOT BASED DATA ENCRYPTION MODEL IN HEALTH CARE, IN Patent App. 202421054427 A. [16.07.2024]

INTERNATIONAL/NATIONAL
CONFERENCES
WORKSHOPS/SYMPOSIUMS/
SEMINARSOne/Two days workshop
Participation

- Participated in three days online workshop on "Programming & Documentation with R" at Aligarh Muslim University, June 5 – June 7, 2021.
- Participated in one day workshop on **Cloud**, Business 4.0 & Agile at Jamia Hamdard, New Delhi on 11th October 2019 conducted by **TCS**.
- Participated in one day workshop on Python at Jamia Hamdard, New Delhi on 18th April 2018.
- Participated in National workshop on Challenges and Opportunities in data analytics and its applications at Jamia Hamdard, New Delhi on 16th October 2017.
- Participated in Faculty development program on MATLAB: R2017 features and updates at Jamia Hamdard, New Delhi during February 15 to February 16, 2017.
- Attended workshop on "e-Commerce & Applications" at Aligarh Muslim University on 8-9 February 2014.
- Attended workshop on "Emerging Trends in Communication Technology (ECT 2013)" at Aligarh Muslim University on 9-10 February 2013.
- Attended workshop on "Ethical Hacking & Information Security" conducted by Kyrion Digital Securities at Aligarh Muslim University on 8-9 August 2010.

One week workshop Participation

- Participated in one-week FDP on, “AI & Machine Learning” at Jamia Hamdard, New Delhi from 06-10 January 2020, organized jointly by MeitY, Govt. of India.
- Participated in one-week FDP on, “Machine Learning”, at Jamia Hamdard, New Delhi from 5th to 10th August 2019.
- Participated in one-week short term course on “How to Teach Effectively” at UGC HRDC, Aligarh Muslim University, Aligarh, India during 16-22 May 2016.
- Participated in one-week workshop on “Big Data and Soft Computing: Techniques & Applications” at Aligarh Muslim University, Aligarh, India during 5-9 October 2016.
- Attended 4-day International Conference on “Advances in Information Technology for Holy Quran and its Sciences” at **Taibah University, Madinah Munawwarah, KSA** during 22-25 December 2013.

Two-week workshop Participation

- Participated in two weeks faculty development program on **Entrepreneurship**, at Jamia Hamdard, New Delhi from 10th March 2021 to 24th March 2021.
- Participated in two weeks faculty development program on data analytics at Jamia Hamdard, New Delhi during 8th January to 21st January 2018

Paper presentation

- “The Impact of Randomized Algorithm over Recommender System,” presented on 28 January 2021 at 18th L and T Conference, Effat University, Jeddah, KSA.
- “Comparative Analysis of Machine Learning based Filtering Techniques using MovieLens dataset”, presented on 28 January 2021 at 18th L and T Conference, Effat University, Jeddah, KSA.
- Presented paper at Second International Symposium on Intelligent Systems Technologies and Applications (ISTA’16), LNMIT, Jaipur, India during 21-24 September 2016.
- Presented paper at International Conference on Soft Computing and Software Engineering (SCSE 2015), **UC, Berkeley, U.S.A** during 5-6 March 2015.
- Presented paper at CSI 50th Golden Jubilee Annual convention on “Digital Life” at New Delhi during 2-5 December 2015.
- Presented paper at 3rd International Symposium on Intelligent Informatics (ISI’14), GCET, Greater Noida, India during 24-27 September 2014.
- Presented paper at 7th International Conference on Contemporary Computing (IC3), JIIT, Noida, India during 7-9 August 2014.
- Presented paper at National Conference on Recent Innovations and Advancements in Information Technology (RIAIT 2014), BGSBU, Rajouri, J&K, during 26-27 November 2014.
- Presented paper at Second International Conference on Advances in Computing, Communications and Informatics (ICACCI 2013), SJCE, Mysore, India during 22-25 August 2013.
- Presented paper at 15th National Conference on Emerging Trends in IT, PIPS, Indore, India on 16 February 2013.
- Presented paper at Next Generation and Information Services (NeGLIS 2011), AMU, Aligarh, India during 2-3 April 2011.

HONORS & ACHIEVEMENTS

Resource Person

- Invited lecture on Current trends in handling Social Network data: challenges and possible solutions, in One Week Faculty Development Programme on Data Science Applications in Science and Technologies, BGSBU, Jammu, March 28 – April 1, 2022.
- Acted as a Resource Person to deliver a lecture on "Cash less economy" in Special Winter School for teachers of different institutions across the country at UGC HRDC, AMU, Aligarh on 20.12.2016.
- Delivered lectures in one week workshop on “Machine Learning: Tools and Techniques” at BGSBU, Rajouri, 31 October to 4 November 2018.
- Invited to train Principals of EDMC primary Schools. New Delhi regarding ICT practices in educational institutes since 2019.
- Delivered an Invited Lecture on. “Being an Engineer: what and how to achieve”, at Induction Program on 7th August 2019 in Department of CSE, SEST, Jamia Hamdard.

Students feedback for teaching in Interim semester 2024-25	<ul style="list-style-type: none"> ▪ 94% for teaching slot A24, E21. ▪ 96% for teaching slot F11, F12.
Appreciation Letter for reviewing research articles	<ul style="list-style-type: none"> ▪ International Academy of Engineers (IA-E) has facilitated an appreciation letter for outstanding services in their reviewers committee. ▪ Appreciation letter for reviewing manuscripts by Geoffrey Fox, Distinguished Professor of Computing, Engineering, and Physics, Director of the Digital Science Center, Indiana University – Bloomington for CCPE, Wiley, SCIE Journal.
MANF JRF & SRF	<ul style="list-style-type: none"> ▪ Received Maulana Azad National Fellowship (MANF) from Govt. of India as - <ul style="list-style-type: none"> ◦ MANF JRF from 18 Sep 2012 to 18 Sep 2014 ◦ MANF SRF from 19 Sep 2014 to 4 April 2017
TOEFL	<ul style="list-style-type: none"> ▪ Qualified TOEFL iBT with 87 marks
Top 10 authors on ChatGPT	<ul style="list-style-type: none"> ▪ Ranked 6th in the authors' list over Scopus on "ChatGPT" OR "Chat GPT" OR "AI chatbot"
Certification	<ul style="list-style-type: none"> ▪ Completed a three-part series of the Web of Science certification program. ▪ Advanced training on Innovation Ambassador from IIC, AICTE, MoE, Govt. of India.
MIT India Connect Programme	<ul style="list-style-type: none"> ▪ One of the high school students selected for MIT India Connect programme during 14 June 1999 to 29 July 1999 from Jamshedpur where faculties from MIT Boston, U.S.A have trained the students.
Best Paper award	<ul style="list-style-type: none"> ▪ The paper titled, "Psychological well being and its relation to work related quality of life" was awarded as best paper award at International symposium on mental health and well being: trends and challenges, held on December 9-10, 2022 at REVA University, Bangalore.
Best Poster award	<ul style="list-style-type: none"> ▪ Represented Jamia Hamdard and being awarded as one of the top 5 performers at annual meet of IIC institutes at AMITY University, Jaipur, organized by IIC, AICTE, MoE, govt. of India.
Editorial Services	<ul style="list-style-type: none"> ▪ Editorial Board Member, BMC Medical Informatics and Decision Making (IF 3.3) ▪ Editorial Board Member, BMC Artificial Intelligence ▪ Assistant editor for proceeding of ICIDSSD 20, New Delhi, India. ▪ Assistant editor for proceeding of ICIDSSD 22, New Delhi, India ▪ Associate editor, Knowledge publishing Group.
Review of articles	<p>Reviewed articles for the reputed scientific Journals including-</p> <ul style="list-style-type: none"> ▪ IEEE TPAMI (IF 18.6), IEEE Transactions on Affective Computing, IEEE Transactions on Artificial Intelligence; IEEE Transactions on computational social science, IEEE Transactions on Big Data, IEEE Transactions on Cognitive and Developmental Systems, , etc. ▪ The Innovation, Cell. (IF 24.6) ▪ Nature Machine Intelligence (IF 23.9) ▪ Information Fusion (IF 15.5) ▪ Expert Systems with Applications, Elsevier (IF 7.6) ▪ Automation in construction, Elsevier (IF 10.3) ▪ Cyberpsychology, Behavior, and Social Networking; (IF 6.4) ▪ COLLNET Journal of Scientometrics and Information Management, (IF 1)

- IEEE Access, (**IF 3.6**)
- PLOS ONE, (**IF 3.5**)
- Cognitive Computation, Springer (**IF 5.1**), etc.

MEMBERSHIPS

-
- IEEE SMC Membership
 - Member of IEEE SMC (System Man and Cybernetics) from 2015
 - IEEE Student Membership
 - March 2017 to 31 December 2017
 - IRED Associate Membership
 - 14 Nov 2014 to 14 Nov 2017
 - IAE Membership
 - 1 Jan 2016 to 1 Jan 2018
 - IAENG Membership
 - Joined on 17 Sep 2013
 - IACSIT Membership
 - Joined on 4 Dec 2013
 - Technical Program Committee (TPC) Membership
 - Member of TPC for the following Scientific events
 - ADM 2013, ADM 2014, CoCoNET 2015, ICACCI 2015, ICACCI 2016, ICACCI 2017, ICIDSSD 2019 & 2020, IMPACT 2022.

REFEREES

-
- Prof. Sultana Nahar
 - Professor, Department of Astronomy, The Ohio State University, 4055 McPherson Lab, 140 West 18th Avenue, Columbus, Ohio 43210-1173, USA
 - nahar@astronomy.ohio-state.edu
 - Prof. Rashid Ali
 - Professor, Department of Computer Engineering, Zakir Hussain College of Engineering and Technology, Aligarh Muslim University, Aligarh 202002, U.P, India
 - rashidali123@rediffmail.com
 - Prof. Dag Øivind Madsen
 - Professor, University of South-Eastern Norway, Norway.
 - Dag.Oivind.Madsen@usn.no
 - Prof. M. N. Hoda
 - Professor, Director, BVICAM, New Delhi, India.
 - mca@bvicam.ac.in
 - Prof. Amir Hussain
 - Professor, Principal Investigator, COG-MHEAR Project, ENU, UK.
 - Chair Professor, Information and Computer Science Department, KFUPM, KSA.
 - a.hussain@napier.ac.uk

Appendix I

Journal publications:

1. Ansari G, Saxena C, Sohail SS, Hussain Z, Sheikh A, Hussain A. ATedrug: A reliable human-in-the-loop annotation scheme for aspect term extraction and polarity detection in drug reviews. *Plos one*. **2026** Apr 9;21(4):e0344296. (IF **2.6**), **Q2**.
2. Siddiqui ZH, Azeez MA, Sohail SS, Ahmed J, Madsen DØ. A preliminary exploration of ChatGPT's potential in medical reasoning and patient care. *Critical Public Health*. **2025** Dec 31;35(1):2484344. (IF **2.3**), **Q2**.
3. Qamar MT, Yasmeen J, Sohail SS, Madsen DØ, Zeeshan SM, Zahid M. Laughing while learning: ESP learners' perspectives on teachers' use of humour in online classrooms. *Discover Education*. **2025** Aug 26;4(1):321.
4. **Sohail, S.S.**, Farhat, F., Himeur, Y., Nadeem, M., Madsen, D.Ø., Singh, Y., Atalla, S., Mansoor, W., Decoding ChatGPT: A taxonomy of existing research, current challenges, and possible future directions (2023) *Journal of King Saud University - Computer and Information Sciences*, 35 (8), art. no. 101675, **IF 6.9**.
5. Nadeem M, Javed L, **Sohail SS**, Cambria E, Hussain A. Are Foundation Models the Next-Generation Social Media Content Moderators?. *IEEE Intelligent Systems*. 2024 Dec 5;39(6):70-80. **IF 5.6**.
6. Himeur, Y., **Sohail, S.S.**, Bensaali, F., Amira, A., Alazab, M., Latest trends of security and privacy in recommender systems: A comprehensive review and future perspectives (2022) *Computers and Security*, 118, art. no. 102746, **IF 4.8**.
7. AlSagri H.S., Farhat F., **Sohail S.S.**, Saudagar A.K.J. ChatGPT or Gemini: Who Makes the Better Scientific Writing Assistant? 2024, *Journal of Academic Ethics*, Springer **IF 2.2**.
8. Anas M, Saiyeda A, Sohail SS, Cambria E, Hussain A. Can Generative AI Models Extract Deeper Sentiments as Compared to Traditional Deep Learning Algorithms?. *IEEE Intelligent Systems*, 2024 Apr 30;39(2):5-10, **IF 5.6**.
9. Sohail SS, Himeur Y, Kheddar H, Amira A, Fadli F, Atalla S, Copiaco A, Mansoor W. Advancing 3D point cloud understanding through deep transfer learning: A comprehensive survey. **Information Fusion.**, **IF 14.7**, 2024 Jul 27:102601.
10. Mohammad Nadeem, Shahab Saquib Sohail, Laeeba Javed, Faisal Anwer, Abdul Khader Jilani Saudagar, and Khan Muhammad. 2024. Vision-Enabled Large Language and Deep Learning Models for Image-Based Emotion Recognition. *Cognitive Computation*, Springer, (2024). pp. 1-14, **IF 4.8**.
11. Copiaco, A., Himeur, Y., Amira, A., Mansoor, W., Fadli, F., Atalla, S., **Sohail, S.S.**, An innovative deep anomaly detection of building energy consumption using energy time-series images, (2023) *Engineering Applications of Artificial Intelligence*, 119, art. no. 105775, **IF 7.5**.
12. Anwar K, Zafar A, Iqbal A, Sohail SS, Hussain A, Karaca Y, et al. Artificial intelligence-driven approach to identify and recommend the winner in a tied event in sports surveillance. *Fractals*. 2023 Apr 13. doi: 10.1142/S0218348X23401497. **IF 3.3**.
13. I Khan, SS Sohail, DØ Madsen, BK Khare, Deep transfer learning for fine-grained maize leaf disease classification, *Journal of Agriculture and Food Research* 16, 101148, Elsevier, 2024, **IF 4.8**.
14. Alsagri HS, Sohail SS. Fractal-Inspired Sentiment Analysis: Evaluation of Large Language Models and Deep Learning Methods. **Fractals**, **IF 3.3**, 2024 Aug 30.
15. Sohail SS, Siddiqui J, Ali R. An OWA based ranking approach for university books recommendation. *Int J Intell Syst*. 2017;33(2):396-416. **IF 3.6**, (Q2).
16. Khan H, Sohail SS, Madsen DØ, Nafis MT. Deep learning in disability research: A bibliometric analysis. *Digital Engineering*. 2025 Sep 1;6:100046.
17. Sohail SS, Khan MM, Madsen DØ, Alam MA, Irshad RR. Geospatial and linguistic analysis of Twitter behavioral trends: examining the impact of socioeconomic development on social media use. *Human Behavior and Emerging Technologies*. 2025;2025(1):1376983. **IF 3.0**, (Q1).

18. Kerdjijdj O, Himeur Y, Atalla S, Copiaco A, Amira A, Fadli F, Sohail SS, Mansoor W, Gawanmeh A, Miniaoui S. Exploiting 2D Representations for Enhanced Indoor Localization: A Transfer Learning Approach. *IEEE Sensors Journal*. 2024 May 2, **IF 4.3**.
19. Kerdjijdj O, Himeur Y, Sohail SS, Amira A, Fadli F, Attala S, Mansoor W, Copiaco A, Gawanmeh A, Miniaoui S, Dawoud D. Uncovering the potential of indoor localization: Role of deep and transfer learning. *IEEE Access*. 2024 May 20, **IF 3.4**.
20. Nudrat Saleem, Tabish Mufti, Shahab Saquib Sohail & Dag Øivind Madsen (2024) ChatGPT as an innovative heutagogical tool in medical education, 11:1, 2332850, DOI: 10.1080/2331186X.2024.2332850, **Cogent Education**, **IF 1.5**.
21. **Sohail, S.S.**, "Addressing obesity and homelessness via ChatGPT." *Clinical Medicine* 23.6 (2023): 647-647, **IF 3.6**
22. Farhat, F., **Sohail, S. S.**, Alam, M. T., Ubaid, S., Ashhad, M., & Madsen, D. Ø. COVID-19 and Beyond: Leveraging Artificial Intelligence for Enhanced Outbreak Control. *Frontiers in Artificial Intelligence*, 6, 1266560, **IF 3**.
23. Farhat, F., Chaudry, B. M., Nadeem, M., **Sohail, S. S.**, & Madsen, D. O. Evaluating AI models for the National Pre-Medical Exam in India: a head-to-head analysis of ChatGPT-3.5, GPT-4 and Bard. *JMIR Medical Education* 10, e51523, **IF 3.2**.
24. Farhat, F., Silva, E.S., Hassani H., Madsen, D.Ø., **Sohail, S.S.**, Himeur, Y., Alam, M., Zafar, A, The Scholarly footprint of ChatGPT: a bibliometric analysis of the early outbreak phase, *Frontiers in Artificial Intelligence*, **IF 3**.
25. **Sohail, S.S.**, Aziz, A., Ali, R., Hasan, S.H., Madsen, D.Ø., Alam, M.A., Human-Centric Aggregation via Ordered Weighted Aggregation for Ranked Recommendation in Recommender Systems (2023) *Applied System Innovation*, 6 (2), art. no. 36, **IF 3.3**.
26. Hariharasitaraman S, Jayavel A, Gnanasekaran S, Sohail SS, Madsen DØ. Interpretable and ethical learning assessment transformer (IELAT): an explainable transformer model for personalized student assessments. *Cogent Education*. 2025;12:2485508.
27. Irshad R.R., **Sohail, S.S.**, Hussain, S., Madsen, D.Ø, Zamani, A.S., Ahmed, A.A.A., et al., Towards enhancing security of IoT-enabled healthcare system, *Heliyon*, 9 (11), 2023, **IF 4**.
28. **Sohail, S.S.**, Siddiqui, J., Ali, R., Feature-Based Opinion Mining Approach (FOMA) for Improved Book Recommendation (2018) *Arabian Journal for Science and Engineering*, 43 (12), pp. 8029-8048, **IF 2.7**.
29. Irshad, R.R., Hussain, S., **Sohail, S.S.**, Zamani, A.S., Madsen, D.Ø., Alattab, A.A., Ahmed, A.A.A., Norain, K.A.A., Alsaiani, O.A.S., A Novel IoT-Enabled Healthcare Monitoring Framework and Improved Grey Wolf Optimization Algorithm-Based Deep Convolution Neural Network Model for Early Diagnosis of Lung Cancer (2023) *Sensors*, 23 (6), art. no. 2932., **IF 3.4**.
30. Siddiqui, F., Mohammad, A., Alam, M.A., Naaz, S., Agarwal, P., **Sohail, S.S.**, Madsen, D.Ø., Deep Neural Network for EEG Signal-Based Subject-Independent Imaginary Mental Task Classification (2023) *Diagnostics*, 13 (4), art. no. 640, **IF 3**.
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Appendix II

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Appendix III

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