Dr. Ghulam Ali Rahu

Lecturer (Ad hoc), Information Technology Centre

Published Impact Factor. 60.421
H-Index (Google Scholar). 7
Published Article HEC W- Category. 10
Published Article HEC X- Category. 2
Published Article HEC Y- Category. 9

Research Interest/Direction:

I am Dr. Ghulam Ali received the Ph.D. degree Doctor of Engineering in Computer Software and theory, from Shaanxi Normal University, Xian China in 2020. I am currently working as Lecturer at Information Technology Centre, Sindh Agriculture University, Tandojam. My research interests include human disease pathway network modeling and biological pathway databases discovery based on AI. I am having lot of work published on Prediction of Pathway Related Protein, Drug and Disease Association Based on Complex Network and AI, Deep Learning and Machine Learning. I have been published **10 articles -HEC W** category within high Impact factor Journal, **02 articles -HEC X** category and **09 articles in -HEC Y** category journals.

Educational Background:

- **Ph.D. (Doctor of Engineering)**

September 2017- December 2020: Ph.D. (Doctor of Engineering) from School of Computer Science and Technology, Shaanxi Normal University, Xi'an China

Supervisor: Prof. Xiujuan Lei, School of Computer Science and Technology, Computing Biological Laboratory, Shaanxi Normal University, Xi'an China

Thesis title: "Prediction of Pathway Related Protein, Drug and Disease Association Based on Complex Network and Deep Learning" (**Major.** Computer Software and Theory) and **Specialization.** Bioinformatics and A.I

- **M. Phill (Computer Science)**

(Specialization of Search Engine Optimization)- **Institute of Computer Science,** University of Sindh Jamshoro Sindh**.**

- **Bachelor of Computer Science (BCS-HONS)**

May 2005 from **Institute of Computer Science,** University of Sindh Jamshoro Sindh**.**

Professional Job Experience

In the following, I would like to present the highlights of my professional career.

1. That I am working as a **Lecturer (BPS-18)** on Ad-hoc basis against the clear vacant post since 1st November 2022.
2. I served as a Webmaster (BPS-16) from 26-07-2007 and (BPS-17) from 10-02-2012 and (BPS-18) from 10-02-2017 to October 2022 on Regular basis in Computerization & Networking Section of ITC at SAU.

Peer Journal Reviewer Experience:

1- Frontiers in Genetics (Reviews 2 papers)
2- Informatics in Medicine Unlocked (Reviews 4 papers)
3- RADS Journal of Computer Science and Technology (Reviews 4 papers)

Research Achievements / Publications: (Published Impact Factor: 60.569)

Metrics Profile Summary

My Published Impact Factor (IF)	60.421
H-Index (Google Scholar)	7
Citations	**(102- Google Scholar) (155- Web of Science)**
Publications in Web of Science	14
Published Articles HEC Category – W	10
Published Articles HEC Category – X	02
Published Articles HEC Category – Y	09

Research Profile on Web of Science

- Web of Science Researcher ID: AGX-6694-2022
- https://publons.com/researcher/AGX-6694-2022/
- https://orcid.org/0000-0001-5166-2213
- https://www.researchgate.net/profile/Ali_Ghulam6
- https://scholar.google.com.pk/citations?user=YoxiSCkAAAAJ&hl=en
- Published Impact Factor: 60.569

Publications

- **I have published over 25 peer-reviewed publications and 12 publications as first author.**
- My publications have over **101 total citations and an h-index of 7.**
- **A complete list of my publications can be found on my Google Scholar page.**
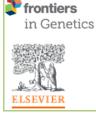
Current Research Projects Under Writing Phase

1. Precision Agriculture and Automation in Mango Orchards by using Artificial Intelligence (PAAMO-AI)

2. Disease Prediction of Mango Crop of Sindh Based on Machine Learning algorithms and IoT

3. Multiple Crops Disease Prediction Based on Machine Learning Approaches (MCDP-MLA)

4. Plants Disease Detection Board on Using Deep Learning (PDD-UDL)

Skills in Data Science

5+ years' experience as a data scientist
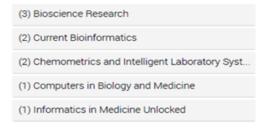
Data visualization expert

Expert with Python ecosystem: NumPy, SciPy, pandas, matplotlib, Seaborn, Jupyter, BeautifulSoup, NetworkX, and PyRWR, PyGad

nature
SCIENTIFIC
REPORTS

frontiers
in Genetics

ELSEVIER

Published Articles in World Top Rank Journals

(3) Bioscience Research	(2) IEEE Access
(2) Current Bioinformatics	(2) Frontiers in Genetics
(2) Chemometrics and Intelligent Laboratory Syst...	(1) Scientific Reports
(1) Computers in Biology and Medicine	(1) Computational Biology and Chemistry
(1) Informatics in Medicine Unlocked	

BENTHAM SCIENCE

IEEE *Access*

Springer