

Dr. Tehmina Amjad

PhD (Information Retrieval)

Lecturer, Department of CS and SE
International Islamic University, Islamabad, Pakistan
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Date of Birth: August 31, 1981



Research Interests

Information Retrieval, Data Mining, Social Network Analysis, Probabilistic Topic Models, Machine Learning, Data Grids

PhD CS Thesis

Supervisor: Dr. Ali Daud, Assistant Professor, Department of Computer Science and Software Engineering, IIUI
Foreign Supervisor: Dr. Ying Ding, Associate Professor, School of Library and Information Science
Core Faculty of Cognitive Science, Co-Director of the Semantic Web Lab, Indiana University, USA

Title: Ranking in Academic Social Networks

Attended Indiana University, Bloomington, Indiana, USA, under Split PhD Program to conduct research during PhD

Education

Year	Degree	Institute
2015	PhD Computer Science	International Islamic University, Islamabad
2004	MS Computer Science	International Islamic University, Islamabad
2002	BCS (Hons.) Computer Science	International Islamic University, Islamabad
1999	HSSC Pre-Engineering	Islamabad College for Girls, F-6/2, Islamabad
1997	SSC Science	Federal Gov. Higher Secondary Model School, Islamabad

Work Experience (11 years +)

- **2007-till date:** Lecturer-BPS-18, Department of Computer Science & Software Engineering, IIU.
- **2005-2007:** Visiting Lecturer at Department of Computer Science & Software Engineering, IIU and Riphah International University Islamabad
- **2004-2005:** Teaching Fellow: Riphah International University Islamabad

Courses Taught

Undergraduate Level

- Digital Logic and Design
- Discrete Structures
- Data Structures
- Database Management System
- Computer Architecture
- Programming Fundamentals
- Fundamentals of Algorithms

Graduate Level

- Distributed Databases
- Advanced Databases
- Data Mining

Publications

2016

1. **Amjad, T.,** Daud, A., Akram, A. **Accepted** in Kuwait Journal of Sciences. Impact of Mutual Influence while Ranking Authors in a Co-authorship Network. (Impact Factor: 0.312)

2015

1. **Amjad, T.,** Ding, Y., Daud, A., Xu, J., Malic, V., 2015. Topic-based heterogeneous rank. Scientometrics. 104(1), 313–334. (impact Factor: 2.18)
2. **Amjad, T.,** Daud, A., Che, D., Akram, A., 2015. MulCEb: Mutual Influence and Citation Exclusivity Author Rank. Information Processing and Management (Impact Factor: 1.26)
3. **Amjad, T.,** Daud, A., Akram, A., 2015. Mutual Influence based Ranking of Authors. Mehran University Research Journal of Engineering & Technology. 34(S1), 103-112 (HEC recognized in X category)

2012

Amjad, T., Sher, M., Daud, A., 2012. A survey of dynamic replication strategies for improving data availability in data grids. Future Generation Computer System 28(2), 337–349. (Impact Factor: 2.78)

2010

Amjad, T. Alam, M., " An Application of Bayesian Theorem for Optimal Replica Placement in Data Grids", Proceedings of the IASTED International Conference Parallel and Distributed Computing and Systems (PDCS 2010) November 8 - 10, 2010 Marina Del Rey, USA

Submitted Work

1. A Survey on Ranking of Authors in Academic Social Networks

2. Standing on Shoulders of a Giant
3. Domain specific Indexing of authors
4. Influence Models for Expert Finding
5. Name Disambiguation in Bibliographic Databases: A Survey
6. Prediction of Student's Performance Using Machine Learning Techniques
7. Region based Ranking for ODI Cricket Teams
8. Reciprocal Link Prediction in Co-author Networks

Paper Reviewer (Journals)

Scientometrics, Engineering Applications of Artificial Intelligence, Computational & Mathematical Organization Theory, Arabian Journal for Science and Engineering

Useful Academic Links

<http://researchpedia.info/research/> It provides research guidelines, worldwide scholarships, research funding agencies, certifications and several educational information.

<http://allthesisonline.com/> It provides facility to publish your thesis online and also updates you about latest scholarships all over the world.

<http://study361.com/> It provides updated information about admissions in the universities and also provides the top ranked universities all over the world.

<http://soft361.com/> Keep your system update and functioning. Softwares can be downloaded from soft361.