

Mohd Abdul Hai Zahid

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RESEARCH INTERESTS	Bioinformatics, Phylogenetic Algorithms, Text Mining, Machine Learning, Natural Language Processing	
EDUCATION	Indian Institute of Technology Roorkee , Uttaranchal India Ph.D. Candidate, Bioinformatics, January 2004 - February 2007 <ul style="list-style-type: none">• Dissertation Topic: "Computational Methods for Phylogenetic Analysis"• Advisors: Dr. R. C. Joshi and Dr. Ankush Mittal Visweshwariah Technological University , Karnataka India M.Tech., Computer Science and Engineering, 2001-2003 Jawaharlal Nehru Tehnological Univesity , Andhra Pradesh India B.Tech., Computer Science and Engineering , 1997-2001	
HONORS AND AWARDS	IBM Outstanding PhD Award for the year 2006 Best Paper of the Session - ICSCI'05 National Doctoral Fellowship (NDF) from January 2005 - January 2007 Ministry of Human Resource Development (MHRD) Fellowship from January 2004 to December 2004. GATE Fellowship from August 2001 to June 2003	
PROJECTS	CLINIQA: A Machine Intelligence Based Clinical Question Answering System. Design and development of data extraction software for Telemetry Systems (For DRDL). Online Personal information system Secure Communication Channel for Messaging application	
PUBLICATIONS	JOURNAL M.A.H. Zahid , Ankush Mittal, R. C. Joshi, "A Pattern Recognition Based Approach for Phylogenetic Network Construction with Constrained Recombination," Journal of Pattern Recognition, Elsevier, vol 39 pp 2312-2322, 2006. M.A.H. Zahid , Ankush Mittal, R. C. Joshi, "Least common ancestor based efficient method for constructing rooted supertrees.", Journal of Bioinformatics and Biomedical Engineering, Vol 1, Issue 5, pp 1-6, 2005. M.A.H. Zahid , Ankush Mittal, R. C. Joshi, "Use of Phylogenetic network and its reconstruction Algorithms", Journal of Bioinformatics India, ISSN 0972-7655, January-March 2005. pp. 47-58, 2005.	

M.A.H. Zahid, Ankush Mittal, R. C. Joshi, Gowtham Atluri “CLINIQA: A Machine intelligence based clinical question answering system,” IEEE Transaction on Information Technology in Biomedicine, (*Communicated*) 2006.

M.A.H. Zahid, Ankush Mittal, R. C. Joshi, “Combining rooted phylogenetic trees with ancestral divergence time,” Informatica, An International Journal of Computing and Informatics (*Communicated*) 2007.

M.A.H. Zahid, Gowtham Atluri, Ankush Mittal, R. C. Joshi, “An Intelligent Phylogenetic Question Answering System” EURASIP Journal of Bioinformatics and Systems Biology (*Communicated*) 2007.

M.A.H. Zahid, Ankush Mittal, R. C. Joshi, “Combining semi-labeled rooted phylogenetic trees” Engineering Letters (*Communicated*) 2007.

Gowtham Atluri, **M.A.H. Zahid**, R. C. Joshi, “Genetic Algorithm for Maximizing Phylogenetic Diversity in the Selection of Contiguous Conservation Areas” Engineering Letters (*Communicated*) 2007.

CONFERENCES

M.A.H. Zahid, Ankush Mittal, R. C. Joshi, ”A Classification Based Approach for Root Unknown Phylogenetic Networks under Constrained Recombination”, in the proceedings of the 2nd International Conference on Distributed Computing and Internet Technology (ICDCIT05), LNCS 3816 , ISBN: 3-540-30999-3, DOI: 10.1007/11604655, Springer, December 2005, pp. 592-603.

M.A.H. Zahid, Ankush Mittal, R. C. Joshi, “A supertree method for combining rooted phylogenetic trees with ancestral divergence Time”, in the proceedings of 12th International Conference on BioMedical Engineering, IFMBE Proceedings, Vol. 12. Singapore: ISSN 1727-1983, ISBN: 981-05-4572-X, Singapore, December 2005, pp. 626-1 to 626-4.

M.A.H. Zahid, Ankush Mittal, R. C. Joshi, “An optimization based approach for combining semi-labeled rooted phylogenetic trees”, in the proceedings of 12th International Conference on BioMedical Engineering, IFMBE Proceedings, Vol. 12. ISSN 1727-1983, ISBN: 981-05-4572-X, Singapore, December 2005, pp. 624-1 to 624-4.

M.A.H. Zahid, Ankush Mittal, R. C. Joshi, “A Pattern Matching Based Approach towards Phylogenetic Networks with Constrained Recombination”, in the proceedings of the 8th International Conference on Information Technology (CIT 2005), Bhubaneswar, India, December 2005, pp. 53-58.

M.A.H. Zahid, Ankush Mittal, R. C. Joshi, “A Heuristic Algorithm for Optimal Agreement Supertrees construction”, International Conference on Systemics, Cybernetics and Informatics (ICSCI 05), Hyderabad, India, January 2005, pp. 595-599.

M. A. H. Farquad, **M.A.H. Zahid**, “Network Representation of Phylogenetic Relationship”, International Conference on Systemics, Cybernetics and Informatics (ICSCI 05), Hyderabad, India, January 2005, pp. 450-455.

PAPERS IN PREPARATION

M. A. H. Zahid, Sankar K. Pal “A Rough Fuzzy 2-Medoid Clustering Alogrithm for Phylogenetic Network Construction” .

M. A. H. Zahid, Sankar K. Pal, “Fuzzy Neighbour Joining Method for Phylogenetic Networks”.

CONFERENCE PRESENTATIONS

A Heuristic Algorithm for Optimal Agreement Supertree construction, January 2005 at ICSCI Hyderabad.

An Efficient Algorithm for Rooted Supertrees,
April 2 2005 at IRISS, IIT Kanpur.

A supertree method for combining rooted phylogenetic trees with ancestral divergence Time,
December 2005 at ICBME Singapore.

An optimization based approach for combining semi-labeled rooted phylogenetic trees,
December 2005 at ICBME Singapore.

A Classification Based Approach for Root Unknown Phylogenetic Networks under Constrained Re-
combination,
December 2005 at ICDCIT Bhubaneswar.

ACADEMIC
EXPERIENCE

M J College of Engineering and Technology, Hyderabad, India.

Lecturer

August, 2003 - December, 2003

Taught four units of the course "Artificial intelligence" to B.E (Computer science & information technology) third year students. Handled 'C' language labs for First year B.E students for four different branches of engineering.

Indian Institute of Technology Roorkee, Roorkee, India.

Teaching Assistant

January - June, 2004

Shared responsibility for labs, tutorials, homework assignments, and grades.

- Operating system concepts , Autumn 2004.

Teaching Assistant

July - December, 2004

Responsibilities include handling tutorials, lab, conducting viva, lab quiz, and lab evaluation.

- Object Oriented Programming, Spring 2004 (Dr. Ankush Mittal).
- Interfacing with Microprocessor (8085 & 8086), Spring 2004 (Dr. Kuldip Singh).

Teaching Assistant

January - June, 2005

Shared responsibility for labs, tutorials, homework assignments, and final evaluations.

- Operating system concepts , Autumn 2005 (Dr. Ankush Mittal).

Teaching Assistant

July - December, 2005

Responsibilities include handling tutorials, lab, conducting viva, lab quiz, and lab evaluation.

- Interfacing with Microprocessor (8085 & 8086), Spring 2005 (Dr. Arun Kumar).

Research Assistant

January 2006 - December 2006

Responsibilities include handling graduate research projects. (Dr. Ankush Mittal).

EXTRACURRICULAR
ACTIVITIES

Indian Institute of Technology Roorkee, India.

Secretary, CCB

September, 2006- December 2006

One of the most responsible post for a student at IIT Roorkee. Secretary Coordinating Committee (CCB) for Bhawans is responsible for smooth functioning of all the messes at IIT Roorkee. The secretary is also responsible to look after the central purchase of food items and their proper distribution to all the messes. Solving the problem from students as well as mess workers are also the responsibility of the secretary.

Secretary, Ravindra Bhawan

September 2006- December 2006

Responsibilities includes taking care of Bhawan inmates and Bhawan infrastructure development.

Member, Library Advisory Committee **September 2006- December 2006**
As a student representative the responsibility is to convey student's demands to the librarian and the committee. On the other, hand helping the committee in infrastructure development such as subscription of new research journals, books, video lectures,etc.

Member, Institute Security Committee **September 2006- December 2006**
Responsibility is to convey student's concern to the security officer and have a vigil on the security system of the institute.

Member, E&CE Department Consultative Committee **September 2006- December 2006**
Responsibility is to convey research scholar's concern to the chairman of the committee regarding computational, library and several other concerns and monitoring of the progress of the infrastructure development.

Member, E&CE Department Consultative Committee **November 2005- September 2006**
Responsibility is to convey research scholar's concern to the chairman of the committee regarding computational, library and several other concerns.

Judge, Cognizance05 **March 2005**
Shared the responsibility of judging the participants presentation and research skills at IIT Roorkee's Tech Fest (Cognizance05).

REFERENCES

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Indian Institute of Technology Roorkee
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