

Curriculum Vitae



PERSONAL DETAILS

Name Saif Said
Designation Assistant Professor (Senior Scale)
Address Department of Civil Engineering
Faculty of Engineering and Technology
Jamia Millia Islamia University, New Delhi 110025, INDIA
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ACADEMICS

- Ph. D. (Remote Sensing Applications in Hydrology), Indian Institute of Technology (IIT) Roorkee, India 2006
Ph. D thesis title: *“Soil moisture retrieval using Microwave Remote Sensing Data”*.
- M_Tech. (Hydraulic Structures), Aligarh Muslim University (AMU) Aligarh, India 2001
M-Tech dissertation title: *“Local scour around bridge piers”*.
- B-Tech. (Civil), Aligarh Muslim University (AMU) Aligarh, India 1999

EMPLOYMENT

- Assistant Professor (Senior Scale), Department of Civil Engineering, F/O Engineering and Technology, Jamia Millia Islamia University, New Delhi (November 2007 to Till date).
- Lecturer, Department of Civil Engineering, AMU, Aligarh, India, (August, 2006 to July 2007).
- Lecturer, Thapar Institute of Engineering and Technology, T.I.E.T, Patiala, India, (March, 2006 to August, 2006).

AWARDS & FELLOWSHIPS

- Research fellowship in Engineering and Technology at IIT Roorkee from Ministry of Human Resources and Development (MHRD), India (November, 2001 to December 2002)
- Senior Research Fellow, Council of Scientific and Industrial Research (CSIR), New Delhi, India (January, 2003 to December, 2005)

AREAS OF INTERESTS

Surveying, Land Cover Mapping, Digital Image Classification, Microwave Remote Sensing, vegetation and surface parameter modeling, Artificial Neural Networks, GIS and GPS applications, Hydrology, Hydraulic Structures, Fluvial Hydraulics and Scour around Bridge Piers.

SKILLS

Familiarity with C, C++ and FORTRAN. Competency in Erdas Imagine, Arc-GIS, Arc-view and other image processing and GIS softwares, Tiberius 1.5.5 Data Mining Software, MATLAB, SPSS 7.5 Statistical Software.

TEACHING EXPERIENCE

Total teaching experience: 5.5 Years

Subjects taught at undergraduate level

- Irrigation Engineering
- Fluid Mechanics
- Water Power Engineering
- Water Resources and watershed Management
- Open Channel Flow
- Surveying and Basic Remote Sensing
- Elements of Civil Engineering
- Basic Environmental Engineering

Subjects taught at graduate level

- Advance Hydraulics
- Fluvial Hydraulics
- Dam Engineering
- Water Power Engineering

CONSULTANCY EXPERIENCE

- Field survey work (contouring and 3D surface profile) for a hospital site at Roorkee Delhi highway (India).
- Super market survey work (plot area determination) in Muzaffarnagar city, (India).
- Soil Erosion Estimation using GIS at river Ganges in Haridwar.
- Earth work estimation for proposed commercial building (Departmental consultancy), TIET, Thapar University, Patiala, Punjab.

MEMBERSHIP OF PROFESSIONAL BODIES

- Associate Member of “The Institution of Engineers” (IE).
- Life Member of Indian Society of water resources (IWRS) IIT Roorkee.

BOOKS PUBLISHED AS SINGLE AUTHOR OR AS EDITOR

1. “Remote Sensing and GIS for Environmental Management”, Editor, World Education, 2010 ed., New Delhi, India, ISSN/ ISBN No. 978-81-90987-31-8.

LIST OF PUBLICATIONS

Total number of publications in Journals and conferences 21 (Twenty one)

1. “Soil Moisture Estimation using ERS 2 SAR Data: A case Study in Solani river catchment”, S. S. Haider, S. Said, U. C. Kothyari and M. K. Arora, Journal of International Association of Hydrological Sciences (IAHS) Vol 49, No. 2, April 2004.
2. "Soil moisture estimation from ERS-2 SAR data in Solani River catchment." Said, S., U. C. Kothyari, and M. K. Arora. Agriculture and Hydrology Applications of Remote Sensing Journal, Vol. 64 (11), pp.101-111, 2006.
3. “ANN Based Soil Moisture Retrieval over Bare and Vegetated Areas Using ERS-2 SAR Data”, S. Said, U. C. Kothyari and M. K. Arora, International Journal of Hydrologic Engineering, ASCE, Vol. 13, No. 6, pp. 461-475, June 2008.
4. "Vegetation Effects on Soil Moisture Estimation from ERS-2 SAR Images”, Said, S., U. C. Kothyari, and M. K. Arora “Hydrological Sciences Journal” (IAHS), Vol 57, No. 3, pp. 517-534, 2012.
5. “Comparative Evaluation of Parametric and Non-parametric Modeling Approaches for Estimating Soil Moisture from ERS-2 SAR Data, S. Said, U. C. Kothyari and M. K. Arora, (Communicated in Soil Science Society of America Journal, 2012).
6. “Experimental Investigations on Scour around Bridge Piers”, S. Said and M. Beg, (In press Chinese Journal of Sediment Research, 2012).

7. "Comparison of Seven Image Fusion Techniques for Interpretation of Urban Features", *S. Said*, A. Shamshad and W.M.A Wan Hussin, (Communicated in Information Fusion Journal, 2012).
8. "Some preliminary results on estimation of soil moisture from ERS 2 SAR data in Solani river catchment", *S. S. Haider*, *S. Said*, U. C. Kothyari and M. K. Arora, Symposium on Advances in Microwave Remote Sensing Applications, January 21-23-2003, CSRE, IIT Bombay.
9. "Comparison of empirical model approaches for soil moisture retrieval over bare surfaces", *S. Said*, U. C. Kothyari and M. K. Arora, National conference on Hydraulics and water resources, HYDRO-2004, December 27-28 2004, VNIT Nagpur.
10. "Retrieving Soil Moisture from SAR Data over Bare and Agricultural Fields Using Neural Networks," *S. Said*, U. C. Kothyari and M. K. Arora, The 2nd Indian International Conference on Artificial Intelligence (IICAI) Pune, December 20-22, 2005.
11. "Soil moisture estimation from ERS-2 SAR data in Solani River catchment", *S. Said*, U. C. Kothyari and M. K. Arora, Asia Pacific Remote Sensing Symposium (SPIE-2006) Panaji, Goa, November 13-17, 2006.
12. "Experimental Evidence of Effect of Stream-wise Spacing of Bridge Piers on Local Scour", *S. Said* and M. Beg, 1st National Conference in Civil Engineering: Advancement and Challenges, (CEAC), Mullana, Ambala, March 9-10, 2007.
13. "Comparative Evaluation of Semi-empirical Backscatter Model and Artificial Neural Network Model for Estimating Soil Moisture from ERS-2 SAR Data", *S. Said*, U. C. Kothyari and M. K. Arora, Geo Physical Research Abstracts, Vol. II, EGU 2009-9097-2-2009, EGU General Assembly Meet, Vienna, Austria, 19-24 April, 2009.
14. "Scour Characteristics Under Submerged Vertical Jets", A. Ahmad, *S. Said* and M. Beg, Proc. Of National specialty Conference on River Hydraulics, 29-30 Oct, 2009, MM Univ, Mullana, Ambala pp.187-196, 2009.
15. "Assessment of Water Resources Potential of Sikandra Rao Town- A case Study", *S. Said*, M. Beg and A. A. Beg, National conference on Hydraulics and water resources, HYDRO-2010, (Mullana), Ambala, December 16-18, 2010.
16. "Effect of Vegetation on Soil Moisture Retrieval from ERS-2 SAR Images", *S. Said*, U. C. Kothyari and M. K. Arora, The 4th International Conference on Water Resources and Arid Environments (ICWRAE), Riyadh, Saudi Arabia, December 5-7, 2010.

17. “Disaster Management Using Remote Sensing: A Review”, *S. Said*, Conference on Remote Sensing and GIS for Environmental Management (RSGIS-EM), Jamia Millia Islamia, New Delhi, August 10, 2010.
18. “Experimental Investigations of Rainfall Runoff relationship with Three different Soil Types on Model Catchment with Varying Slopes”, *S. Beg* and *S. Said*, National Conf. On Recent Advances in Civil Engineering & Infrastructural developments (RACE-Ind 2011), 21-22 Dec, 2011, Jay Pee University, Guna, M.P. pp. 35–45.
19. “Mutual Interference of Three Bridge Piers Placed in Tandem Arrangement on Local Scour”, *S. Said* and *M. Beg*, National Conference on Hydraulics and Water Resources (HYDRO), SVNIT, 29-30 Dec, 2011, Surat, pp. 130-138.
20. “Water Resources Management and sustainable Development of Sikandra-Rao Town (U.P.)”, *A. A. Beg*, *S. Said* and *M. Beg*, 5th National Conf. On Sustainable Development in India: Perspectives, Issues and Opportunities, 12 March, 2011, Al-Barkat Ins. Of management Studies, Aligarh, pp. 36-45.
21. “The Effect of Mutual Interference on scour holes of Two Bridge Piers Placed in Tandem Arrangement”, *M. Beg* and *S. Said*, 3rd Asian Conference on Mechanics of Functional Materials and Structures, ACMFMS, Department of Applied Mechanics, IIT Delhi, 5-8 Dec, 2012.

RESEARCH PAPERS REVIEWED: 03 (Three)

1. “C-band polarimetric indices for maize monitoring based on a validated Radiative Transfer Model” by *P., Ferazzoli* (member IEEE) Bio-Geo special issue of IEEE transactions on Geoscience and Remote sensing, 2004.
2. “Effectiveness of Information Technology for Construction Industry in Malaysia: An Overview”, *Scientific Research and Essays (SRE)*, 2010.
3. “Microwave Remote Sensing Based Soil Moisture Inversion For Bare & Crop Covered Fields”, *Journal of the Indian Society of Remote Sensing (IJRS)*, 2010.

(Dr. Saif Said)