

Resume

MRITUNJAY KUMAR SINGH

Address for Correspondence:

Associate Professor
Department of Applied Mathematics
Indian School of Mines
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Academic Qualification: M. Sc, Ph.D. (B.H.U) with IV First Class

Certificate of Merit:

(i) Chancellor Medal
(ii) Dr. S C De Medal
(iii) B.H.U. Medal
For securing highest % of marks (92.3%) in M.A. / M. Sc.
Exam., 1994 at B.H.U., Varanasi.

Ph.D. (1999):

"Concentration Distribution of Pollutants along Unsteady
Groundwater Flow in Aquifers"
Guide: Prof. Naveen Kumar,
Department of Mathematics,
Faculty of Science, BHU, Varanasi-221005
Email: naveen@bhu.ac.in

Date of Birth:

6th June, 1969

Employment:

- (i) (July 2002-June 2004): Lecturer
(July 2004-June 2005): Assistant Professor
Department of Mathematics
Bengal College of Engineering & Technology,
Durgapur, West Bengal
- (ii) (July 2005 - 26th Oct., 2006): Senior Lecturer
(27th Oct., 2006-26 Oct., 2009): Assistant Professor
(27 Oct., 2009- Till date): Associate Professor
Department of Applied Mathematics
Indian School of Mines, Dhanbad, Jharkhand

Teaching & Research Experience:

10 years & 14 years (Approx)

Research & Development Exposure:

(a) Research Publications: International Journal/Conference: 17
National Journals/Conference: 10
Communicated: 04 (International-03, National-01)

(b) Research Paper Presented:

International Conference: 06

National Conference: 13

(c) Book Published: 01

(d) Ph.D. Thesis Evaluated: 01

(e) Ph.D. Thesis Guided: 01

(f) Training Programme Attended: 02

No. of Students Supervised for Dissertation/Thesis

(a) M. Sc. Level: 10+04(Ongoing)

(b) M. Phil: 05

(c) Ph.D. 01+03(Ongoing)

Ph.D. Student:

Premlata Singh (**June, 2007**): “Transport Analysis of Contaminants through Unsteady Groundwater Flow in Aquifer”

Awarded (Aug., 2010)

Nav Kumar Mahato (**May, 2009**): “Study of Solute Transport Modeling along Unsteady Groundwater Flow in Aquifer”

Continuing Part Time Ph. D. Scholar since 18-05-2009, Department of Applied Mathematics, ISM, Dhanbad.

Shafique Ahamad (**May, 2010**): “Study of Analytical Approach of Unsteady Groundwater Flow Modeling”

Joined as a Project Fellow, UGC, Department of Applied Mathematics, ISM, Dhanbad.

Priyanka Kumari (**Sept., 2010**): “Study of Analytical and Numerical Approach of Solute Transport Modeling”

Joined as a JRF, Department of Applied Mathematics, ISM, Dhanbad.

M. Phil. Student (Awarded):

Nav Kumar Mahato (**2007**): “One-dimensional Dispersion along Unsteady Groundwater Flow in Semi-infinite Aquifer”

Divya Shukla (**2008**): “Longitudinal Dispersion along Unsteady Groundwater Flow in Finite Aquifer”

Asim Kumar Garai (**2009**): “Concentration Distribution Behaviour through the Wall of Cylinder”

Shafique Ahamad (**2010**): “One-dimensional Solute Dispersion along Transient Groundwater Flow in Aquifer”

Pintu Das (2011): "Review on Solute Transport Modeling in Semi-infinite Aquifer"

Research Project:

Minor Research Project for Rs.50000/-

Funding Agency: **Indian School of Mines, Dhanbad**

Title of the Project: "Mathematical Modeling of Concentration Distribution Behaviour of Pollutants in Aquifer"

Duration of the project: 03 year (June, 2006-2009)

Status: Completed

Major Research Project for Rs.685800/-

Funding Agency: **University Grant Commission, New Delhi**

Title of the Project: "Study of Analytical Approach of Unsteady Groundwater Flow Modeling"

Duration of the project: 03 year (Feb., 2010-2013)

Status: On going

Administrative Exposure:

Bengal College of Engineering & Technology, Durgapur (July 2002-June 2005)

Head, Department of Mathematics (April, 2003 - June, 2005)

Supervisor, WBUT Examination (Dec., 2003-June, 2005)

Assistant Examination Superintendent, DOEAC ('0' Level) (Jan., 2005)

Assistant Centre In-charge, JEXPO-2005

Centre In-charge, JEM-2005

In-charge, Annual Sports, 2005

Chairman, Food committee, Jan., 2005

Chairman, Anti Ragging Squad, Aug., 2004

Indian School of Mines, Dhanbad (July 2005-Till Date)

Warden, Diamond Hostel & Research Scholar Hostel (March, 2006-March, 2009)

Warden, Opal Hostel & Research Scholar Hostel (April, 2009-March, 2011) & (Jan., 2010-March, 2011)

Warden (April, 2011- March, 2012) - Jasper Hostel

Tabulator, End Semester Examination (2005-2006 and 2007-2008)

Sports Secretary, Scolomin Club (2007-2008)

Chairman, AUSPORA (2007-08)

Member, Board of Courses of Studies, Department of Applied Mathematics

Member, Selection Board of M. Phil., Applied Mathematics

Member, The security-Cum-Campus Welfare Committee

Member, Uniform Course Structure & LTP, B. Tech. Courses

Member, Rule & Regulation Committee, Dual Degree Programmed and Five Year Integrated Courses M. Sc./ M Sc. Tech.

Faculty Advisor, Five Year Integrated M. Sc.

Observer, M. Sc. /M. Sc. (Tech.) Entrance Exam-2007 & 2008, ISMU

External Member, Moderation Board, Department of Applied Physics.

Member, Moderation Board, Department of Applied Mathematics (2010-11, 2011-2012).

Member, Selection Committee, Project fellow for UGC Project-2008
Coordinator: III & IV B. Tech. (2008-2009)

External Examiner, to conduct Viva-Voce Examination of 4th Year B.Sc. (Engg.) for the subject Computer Application in Metallurgy at Department of Mathematics, BIT, Sindri on 17th April, 2009.

Member, Selection Committee, Project fellow for UGC Project-2009

Member, Selection Committee, Project fellow for UGC Project-2010

Convener, Ph.D. Viva Voce Examination of Premlata Singh, 5th July, 2010
I/C (Training & Placement), Department of Applied Mathematics, ISM, Dhanbad (effective from Jan.15, 2010).

Coordinator, 2Year M. Sc. (M&C), Department of Applied Mathematics, ISM, Dhanbad (effective from Sept., 2010).

Treasurer, Society of Applied Mathematics (SAM), ISM, Dhanbad (effective from 14th Sept., 2010 - 31st July, 2011).

Center Superintendent, 3rd Dec.2010 in Monsoon Semester Examination, ISM, Dhanbad.

HOD (AM), 29th -31st Dec., 2010, Department of Applied Mathematics, ISM, Dhanbad

Member, Advisory Committee, AUSPORA (2009-2011)

Representative of Applied Maths (Sister Department), BOCS-31st March, 2011, Department of Applied Physics, ISM, Dhanbad

Member, Improvement Group, Indian School of Mines, Dhanbad (Since 8th Nov., 2011).

Organization of Seminar/Conferences

Member, Organizing Committee, National Seminar on Recent Advances in Theoretical &Applied Seismology, 20th -21st March, 2006

Member, Organizing Committee, National Seminar on Condition Monitoring Overview & Advanced Techniques (COMOAT), 15th -16th Sept., 2006

Member, Organizing Committee, National Seminar on Recent Advances in Theoretical &Applied Seismology, 21st -22nd March, 2007

Member, Organizing Committee, National Seminar on Modern Trends in Geophysical Sciences and Techniques (MTGST), 12th -14th Nov., 2007

Member, Organizing Committee, National Seminar on Recent Advances in Information Technology (RAIT), 6th -7th Feb., 2009

Member, Organizing Committee, National Seminar on Recent Advances in Theoretical &Applied Seismology, 27th -28th March, 2009

Member, Organizing Committee, International Seminar on Recent Advances in Geo-Sciences, Jan.11-13, 2011.

Member, Organizing Committee, International Seminar on Recent Advances in Information Technology (RAIT), March, 2012

Member, Organizing Committee, International Conference on Modeling and Simulation of Diffusive Processes and Applications (ICMSDPA), Oct.2012

Regional Coordinator, International Ground Water Congress (IGWC)-2012

Professional Membership:

Life Member:

Mathematical Society, B.H.U., Varanasi
Bhaskaracharya Institute of Mathematical Research, Patna
Bharat Ganit Parisad, Lucknow
Indian Mathematical Society, New Delhi
Indian Association of Hydrologists (IAH), NIH Roorkee
BHU Alumni Association, Dhanbad Chapter
Association of Hydrologists of India (AHI), Andhra University, Waltair
Society of Applied Mathematics (SAM), ISM, Dhanbad
Indian Red Cross Society, Dhanbad
International Ground Water Congress (IGWC)

Member:

International Association of Hydrogeologists (IAH), U.K.
International Association of Hydrological Sciences (IAHS), U.K.

Affiliate Member:

American Society of Civil Engineers, ASCE-EWRI, USA