

Ajay Kumar Agarwal

Contact Information

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Designation

Assistant Professor

Education

- Ph.D. R.T.M. Nagpur University
- M.Tech. (Mine Planning & Design), ISM, Dhanbad
- B.E. (Mining), VNIT, Nagpur
- M.E. (Civil Engineering), RCOEM, Nagpur
- A.M.I.E. (Civil Engineering)

Area of Interest:

- Rock Mechanics, Soil Mechanics, Water Pollution,

Professional Experience: Total 28 years

- Assistant Professor (Mining Engineering), VNIT
June 20016 - Till date
- Associate Prof. Civil Engg, RCOEM
May 2005 – May 2016
- Assistant Professor (Mining Engineering), RCOEM
July 1996 - May 2005
- Lecturer (Mining Engineering) , RCOEM
November 1987 - July 1996

Additional Administrative Responsibilities Held

- Faculty Advisor, M Tech (Excavation Engineering), VNIT
June 20016 - Till date
- First Year In-charge , RCOEM
May 2011 – July 2015
- Foreign University Collaboration Coordinator, RCOEM
May 2009 – April 2013
- Dean / Training & Placement officer , , RCOEM
July 2006 - April 2009
- In charge/ Head of Department (Mining Engg), , RCOEM

May 2002 - June 2006

Countries Visited

- Kuwait, Oman, Dubai, Qatar, Abu Dhabi and Bhutan

Award

- Received Patki memorial award for best paper published in Journal of Indian Water works association (IWWA) journal, in the 43rd Annual Convention of IWWA held from 11th to 13th January 2011 at Chennai.
- Awarded with Certificate of Excellence by Research wing for Excellence in Professional Education & Industry, Feb 2016.

Membership of Professional Bodies

- Life member of Indian Geotechnical Society, (LM - 3765)
- Life member of The Institution of Public Health Engineers (India) (LM -1503)
- Life member of Indian Society for Technical Education (ISTE) (LM -7738)
- Life member of The Institution of Engineers (India) (LM - 123427/1)
- Asia-Pacific Chemical, Biological & Environmental Engineering Society, Hong Kong (APCBEEES - 200662)

Book Chapter Published

- Contributed one chapter on Geosynthetics: For the Stability of Spoil Dump Slopes, in the book entitled Slop Stability: Natural and Man made slope, written by Dr. T. N. Singh and Dr. Y. C. Sharma. Publisher- Vayu Education of India, 2011, ISBN:978-93-80712-84-0.

Patent Published

- First Patent published for the title : “Efficient Zn⁺⁺ ions removal technique from aqueous solution using mixture of fly ash and chitosan and its environmental friendly disposal by solidification with Portland cement.” Inventors: Agarwal A. K., Kadu M.S., Pandhurnekar C. P. , Muthreja I. L., Date of Publication: 15th August 2014.
- Second Patent published for the title : utilization of coal fly ash of thermal power plant in conjunction with chitosan for efficient removal of different heavy metal ions and their solidification for safe solid waste disposal. Inventors: Agarwal A. K., Kadu M.S., Pandhurnekar C. P. , Muthreja I. L., Date of Publication: 30th Jan 2015

Editorial Board Member of an International Journal

- Aquademia: Water Environment and Technology. Published from Netherlands, ISSN: 2468-1946,

Youtube Channel

- Having a Youtube Channel on aptitude (www.youtube.com/AKAgarwalAptitude) consisting of 265 video. Till date there had been more than 2.2 Million hits across 202 countries.

Online Aptitude test

- An Online Aptitude Test was developed in Vb.Net with SQL database containing 4500 questions on 50 aptitude topics. The Online test was jointly developed by A. K. Agarwal, Mr. V. Y. Karkare and Mr. A. A. Kher and launched in RCOEM (RKNEC) College Nagpur. My role was for the content creation.

Publications (Journals and conferences): Total 83

- Twenty one Journal papers.
- Sixty two conference papers.

Reviewer of the journals

- Reviewer of Institution of Engineers (India) Journal.
- Reviewer of International Journal of Research in Chemistry and Environment
- Macedonian Journal of Chemistry and Chemical Engineering (SCI Journal)

Proceedings Edited

- Edited the proceedings of National seminar on Indian Mining: Past, Present and Future organized by Institution of Engineers (India), Nagpur Local Chapter.
- Edited the proceedings of All India Conference on Geotechniques and Environment for Sustainable Development (GSD-05) organized by R.K.N.E.C., Nagpur.
- Edited the proceedings of National seminar on Indian Mining Industry: Destination 2020, organized by Institution of Engineers (India), Nagpur Local Chapter.

Seminar/Conference/Workshops Organized

- Organized International Symposium as Organizing Secretary on the topic "Geo Environmental Reclamation" 20 - 22 Nov. 2000 at RKNEC, Nagpur.
- Organized National Seminar as Organizing Secretary on the topic "Problem and Prospects of Mining in Central India" 1st Jan. 1999 at RKNEC, Nagpur.

- Organized a National Seminar as Co-Convener on "Indian Mining Past, Present and Future" 11th Oct. 2003 at IE (I), Nagpur.
- Organized a National Seminar as Convener on the topic "Geotechnics and Environment for Sustainable Development" on 1st Aug. 2005 at RKNEC, Nagpur.
- Organized a workshop as Prof. In charge Workshop for Civil Engineering students on 20 – 21st Oct 2015 on the topic "Smart Cities" at RCOEM, Nagpur

Aptitude Trainer

Conducted following workshops on Aptitude

4th & 5th Feb. 2011, Anjuman College of Engineering and Technology, Nagpur.

25th – 26th June 2011, RCOEM, Nagpur

31st July – 1st August 2011, RCOEM, Nagpur

6th - 7th August 2011, RCOEM, Nagpur

7th - 8th July 2012, RCOEM, Nagpur

14th - 15th July 2012, RCOEM, Nagpur

13th - 14th October 2012, Prof. Ram Meghe College of Engineering and Management. Badnera

Delivered expert lectures on Aptitude for Campus Recruitment of B.E. and MCA students, at RCOEM, Nagpur and also in other Engineering colleges in and around Nagpur.

Other Achievements

- Played a key role in establishing a higher education link with Camborne School of Mines, University of U.K. in the year 2001.
- Elected as Convener of Mining Engineering Division of Institution of Engineers, Maharashtra State centre, for the year 2014 – 2016.
- As a first year in charge I was given the responsibility for implementation and administration of UGC accorded "Autonomy" from the first batch at undergraduate level from the academic session 2011-2012
- Appointed as expert panel member for Maharashtra Public Service Commission (MPSC) in the year 2010.
- Name has been included in the list of expert panel of CMRI, Dhanbad (A laboratory under CSIR).
- Invited by S G B Amravati University as a recourse person to deliver a lecture on "Career Guidance, counseling and placement" on 28th March 2015.
- Nominated by Vice Chancellor, Gondwana University for selection of Assistant Professors in Mining on 30th April 2016.

- Worked in different committees of RTM Nagpur University in different capacity