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RESEARCH EXPERIENCE 35 YEARS

TEACHING EXPERIENCE 25 YEARS

DISSERTATION GUIDED B.TECH. LEVEL Nos. 40

ADVISORY MEMBER, M.TECH. THESIS Nos. 10

ADVISORY MEMBER PhD Nos.02

PUBLISHED WORK

JOURNALS PAPER Nos. 20

1. Bhardwaj G.S.(2003) Application of Global Positioning System in Mining, Rajasthan Mineral Bulletin Vol.24, No.4/2003/ pp. 38-41
2. Bhardwaj G.S. (2004) GPS Controlled Mining Operation for Eco-Friendly Mining, Rajasthan Mineral Bulletin Vol.25, No. 1-2/2004/ pp. 38-41.
3. Bhardwaj G.S., R. Hara, J.Sharma, N. K. Meena and Rahul Sharma (2005) Suggestive In-situ Moisture Control Model for Flooring Limestone Recovery Improvement: A Case Study of Khorip-malan Dimensional Limestone Quarries, District Chittorgarh, Rajasthan, India, Mining Engineers' Journal, Vol. 7 No.4/2005/ pp.20-26. ISSN 0975-3001
4. Govind Singh Bhardwaj, Rajesh Hara, J.Sharma, N.K.Meena and Rahul Sharma (2006) Discontinuities Bounded Dimensional Stone Mining: A Study of Khorip –Malan Flooring Limestone Mining Belt of Rajasthan, The Indian Mining Engineering Journal Vol.45 No. 05/2006/ pp. 19-24. ISSN No. 0019-5944
5. Rathore S.S., Jain S.C. and Bhardwaj G.S. (2007) Land use planning for waste dump disposal of marble quarries in southern Rajasthan, Mining Engineers' Journal, Vol. 8 No.8/2007/pp. 24-29. ISSN 0975-3001
6. Bhardwaj, G.S. and Sandeep Sharma (2010) Granite Extraction and Treatment Techniques: A study on cost effective geo-technical aspects, Mining Engineers Journal, Vol. March 2010, pp. 11-20. ISSN 0975-3001
7. Rajpati Verma S.R.Bhakar and G.S.Bhardwaj (2007) Estimation of Aquifer Parameters in Ihyllites hard rock area at Udaipur, Journal of Indian Water Resources Society, Vol.27, Nos 3-4, July –Oct 2007, pp. 31-33. ISSN 0970-6984
8. G.S. Bhardwaj(2010), Ground water management for sustainable development, International journal of geosciences and environment, Publication of Geoscientists Society of Rajasthan, India, Vol. 1, Jan 01,2010, pp.46-54
9. G.S. Bhardwaj and Ankit Shringhi(2010) Application of artificial neural network for estimation mineral reserves of small mines, International journal of geosciences and environment, Publication of Geoscientists Society of Rajasthan, India, Vol. I, Jan 01,2010, pp. 19-31
10. Govind Singh Bhardwaj (2012) Geo-social aspect of peri-urban regions, International Journal of Research in Engineering, IT and Social Sciences, IJREISS, Vol.2, Issue 6(June 2012), pp. 35-56, ISSN2250-0588
11. Y.H.Rao,G. S. Bhardwaj, M.Venkateswarlu, B.Ramalingeswara Rao (2012) Magnetic and petrographiic Analysis of Andesite rock bodies, Khairmalia, South of Chittourgarh, Rajasthan. Journal of Environmental Science, Computer Science and Engineering & Technology, Issue 1(2012), Vol. 1, No.2, pp.132-140 , E-ISSN: 2278-179X
12. Dr. G.S Bhardwaj, B.L.Salvi, Mayank Mehta and Sourabh Gaur (2012) Utility of sensor networking at highways in hilly area International Journal of Science, Environment and Technology, Vol.1, No 3, 2012, pp.113-124, (ISSN2277-663X PRINT; ISSN 2278-3687 ONLINE

13. Govind Singh Bhardwaj (2012) Petroleum Prospects of Rajasthan: A hope for the future-A review, MGMI Transcation, Mining Geological and Metallurgical Institute of India Volume 108, April 2011-March 2012, pp.54-59. ISSN 0371-9538
14. Dr Govind Singh Bhardwaj and B.L.Salvi (2012) Geo-technical and FE analysis of road cut slopes: A case study, Journal of Environmental Technology & Construction Engineering(JETCE) ISSN 2226-2725, July 2012, Vol.1No1, pp.31-38
15. G.S.Bhardwaj(2013) A Review of Micro-Geo Aspects of Dimensional Stone Resources: Cutting Technology Selection and Development, The Indian Mining & Engineering Journal(ISSN 0019-5944) Volume 52: Number 02 February 2013, pp.19-22 www.theimejournal.com; Bhubneshwar, India.
16. G.S. Bhardwa j (2014) Chapter title: Geo-social aspects of developments in peri-urban regions, B. Maheshwari et al. (eds.) Book title: The securities of water, food, energy and liveability of cities. Series title 6689 copyright year 2014 Springer Science + Business Media Dordrecht. Chapter 3, ISBN 978-94-017-8877-9 Water science and technology Library 71. Total pages 1-12
17. G S Bhardwaj, Mayank Mehta, Yeasin Ahmed, Mohd Aktarul Islam Chowdhury (2014) Landslide monitoring by using sensor and wireless technique: a review, Research article, International Journal of Geomatics and Geosciences, Vol. 5, Issue 1, August 2014, pp.1-8; ISSN No. 0976 4380
18. G S Bhardwaj, Salvi B.L.and Mehta Mayank (2014) GIS analysis of landslide prone Hilly-Terrain roads: A case study, of Aravalli Mountain, North-West, India, Int. Journal of Advances in Remote Sensing and GIS, Vol.2 , No. 4, pp. 25-40, 2014 www.jrsgis.com © Copyright by authors under Creative Commons License 3.0 editorial@jrsgis.com Research article ISSN 2277 – 9450
19. S.S.Rathore, S.C.Jain and G.S.Bhardwaj (2014) Safe Mine Slope Stability Analysis for a Opencast Lignite mine- A case Study, The Indian Mining & Engineering Journal, Volume 53: Number 09, pp. 8-12, September 2014 ISSN 0019-5944
20. Govind Singh Bhardwaj, M.Mehta, Md. Yeasin Ahmed, and Robert Evans (2014) Landslide sensitivity assessment of existing twin tunnels: A case study of national Highway-76 between Udaipur-Pindwara , Rajasthan, India, International Journal of Advanced Earth Science and Engineering, Vol. 3, Issue 1, pp. 201-210, ISSN 2320-3609

SEMINAR PROCEEDINGS PAPERS Nos. 19

International -08

National-11

1. Bhardwaj G.S. & Lodha R.M. (1988) Some Environmental Geological Degradation Aspects of the Berach River- A Case Study of Zinc Smelter Region, Udaipur'. Threat to Environment. Vol. Desert Conservation Organisation, Jodhpur and M.L.S.Udaipur, 1988, pp 123-132
2. Bhardwaj, G.S., Jain, S.C. and Rathore, S.S. (1994) Geotechnical aspects and slope stability-A case study, 3rd International Symposium on Mine Planning and Equipment Selection, Istanbul, Turkey. Published by Balkema, Rotterdam, Neatherland , 1994 , Proc. Editor Psamehmetoglu, pp.877-881; ISBN 90 5410 327 2
3. Bhardwaj G.S., Rathore S.S. and Jain S.C. (1995) Mine Waste Dumps and Environment: Critical Appraisal of the Soap Stone Mining Areas in Udaipur Region'. The 8th National Convention of Mining Engineers India. Proceeding Vol./ 1995/ page 170-173
4. Shekhawat M.S. and Bhardwaj G.S. (1997) Environmental Appraisal of SoapStone Mining in Rikhabdev-Kherwara-Dungurpur Region of South West Rajasthan – A Case Study'. Proc. Of National Conference on Dimensions of Environmental Stress in India. M.S.University Baroda, Editors: Desai Nikhil and Tiwari K.C. /1997/. Page.103-108
5. Shekhawat M.S. and Bhardwaj G.S. (1997) Potentiality and Future Prospects of Dolomite North of Udaipur , Rajasthan, Proc. National Seminar on Tectono-Magmatism, Geochemistry and Metamorphism of Precambrian Terrains. Editors: Gyani K.C. and Kataria P.' Department of Geology,MLS, Udaipur/1997/. Page 333-342
6. S.S.Rathore, G.S.Bhardwaj & S.C.Jain (2000) Geo-Technical Evaluation of Indian Marble Deposits, Proc. National Workshop on Safety and Technology in Marble Mining and Processing in New Millenium'. Department of Mining Engineering CTAE and DGMS,Udaipur Region. Editors: Rathore S.S. and Laxminarayana V. /2000/ page 32-38

7. Ranga B.R.K., Bhardwaj G.S. and Sodha B.S. (2000), Italian Marble Industry: A Success of the Avant-Grade Technology, Proc. National Workshop on Safety and Technology in Marble Mining and Processing in New Millenium'. Department of Mining Engineering CTAE and DGMS,Udaipur Region. Editors: Rathore S.S. and Laxminarayana V. /2000/ Page 179-182
8. S.S.Rathore, S.C.Jain & G.S.Bhardwaj (2000), Impact of Marble Mining on Air Qualities and its Remedial Measures, Proc. National Workshop on Safety and Technology in Marble Mining and Processing in New Millenium'. Department of Mining Engineering CTAE and DGMS,Udaipur Region Editors: Rathore S.S. and Laxminarayana V. /2000/. Page 227-232
9. Bhardwaj G.S., Bhakar S.R. (2005), Hydro-Environmental Perspective of Mining Activities., Proc. Of National Seminar on Environmental Planning & Management in Mining and Mineral Industries MIN-ENV 2005. Organised under SAP (DRS) program of UGC by Department of Geology M. L. Sukhadia University, Udaipur, Rajasthan/2005/. Page 165-170.
10. Bhardwaj, G.S. and Salvi, B.L.(2011)Slope stability aspects: A case study of the road side hill cuts NH-8, between Udaipur-Ahmedabad, Rajasthan, India, Proc. International Conference on Environmental Tehnology & Construction Engineering for Sustainable Development ICETCESD-2011, held at Sylhet, Bangladesh, during 10-12 March, 2011 page 240 ISBN 978-984-33-3054-3, CD ROM ISBN 978-984-33-3055-0
11. G.S.Bhardwaj, Y. Hemambaradhara Rao, B. Ramlingeswara Rao and M.Venkateswarlu (2010), Petrological Studies of Mafic Rocks Around The Khairmalaiia: The Beginning of Vindhyan Sedimentation, Proceeding of national seminar on Utilization of Natural Resources: Propects and challenges, Dec 18-19, 2010. Department of Geology, MLSU, Udaipur, pp40
12. G.S.Bhardwaj(2012) Environmental hazards due to marble slurry disposal, chitrakootnagar, Udaipur, Rajasthan, India.Proc. International Conference on Environmental Tehnology & Construction Engineering for Sustainable Development ICETCESD-2012, held at Sylhet, Bangladesh, during 10-12 March, 2012 page CD ROM ISBN 978-984-33-1625-4
13. Ankit Purohit and Dr Govind Singh Bhardwaj(2012)Coastal engineering and estuarine processes – must technologies for coastal zonesProc. International Conference on Environmental Tehnology & Construction Engineering for Sustainable Development ICETCESD-2012, held at Sylhet, Bangladesh, during 10-12 March, 2012 page CD ROM ISBN 978-984-33-1625-4
14. Amal Parvez, Amartanshu Srivastav and GS Bhardwaj(2012, Radioactive waste management , Proc. International Conference on Environmental Tehnology & Construction Engineering for Sustainable Development ICETCESD-2012, held at Sylhet, Bangladesh, during 10-12 March, 2012 page , CD ROM ISBN 978-984-33-1625-4
15. Amartanshu srivastav, A.Parvez and GSBhardwaj(2012)Radioactive waste: residual waste from back end fuel cycle, Proc. International Conference on Environmental Tehnology & Construction Engineering for Sustainable Development ICETCESD-2012, held at Sylhet, Bangladesh, during 10-12 March, 2012 page CD ROM ISBN 978-984-33-1625-4
16. Y.H.Rao, Dr. Govind Singh Bhardwaj, Dr.M.Venkateswarlu, Dr.B.Ramalingeswara Rao (2012) Magnetic and petrographiic investigations of khairmalaiia andesite rock bodies, south of Chittourgarh, Rajasthan., Proc. International Conference on Environmental Tehnology & Construction Engineering for Sustainable Development ICETCESD-2012, held at Sylhet, Bangladesh, during 10-12 March, 2012 page, CD ROM ISBN 978-984-33-1625-4
17. Anup Kumar Karda and G. S. Bhardwaj(2012)Data Change Detection With Multi-Temporal Remote SensingProc. International Conference on Environmental Tehnology & Construction Engineering for Sustainable Development ICETCESD-2012, held at Sylhet, Bangladesh, during 10-12 March, 2012 page CD ROM ISBN 978-984-33-1625-4
18. G. S. Bhardwaj(2013)Finding appropriate solution for availability irrigation water: A case study of basaltic hard rock areaProceeding of national seminar on Ecofriendly mineral development and groundwater management. Feb 11-12, 2013 page 68-72
19. G. S. Bhardwaj(2013)Geo-technical aspects in the field of processing and food engineering: A case study of RajasthanProceedings of National Seminar on “New Vistas in Food Processing with Quality Assurance for Augmenting Rural Prosperity”, organized during 21-22 June 2013 at department of Processing & Food Engineering, CTAE, Udaipur, page 59. ISBN

ABSTRACT PAPER PUBLISHED Nos. 16

(Presented in the seminar/conference)

International 03 & National 12

1. Bhardwaj G.S.(1987) A Note on the China Clay Deposit of Jogani-bansti-Chothpura, District Chittorgarh, Seminar on Industrial Minerals and Rocks of Rajasthan'.Department of Geology , University of Rajasthan, 51-Saraswati marg Udaipur/1987/. Abstract Vol. page 41.
2. Bhardwaj G.S., Rao.M.S. and Bhatnagar A. Aspects of Litho-structural and Geomorphometric Controls on Water Resources and Hydrologic Hazards in Udaipur Basin National Seminar on Consequences of Environmental Degradation in India'. Bhaba Saheb Ambedkar National Institute of Social Sciences, Mahow M.P.Indore. Organised by D.S.T, New Delhi, /1990/Abstract Vol. Page 4
3. Rao.M.S., Bhardwaj G.S., Lal S.B. and Singh A. K. Effect of Industrial Pollution and Physico-Chemical Characteristic of Water in Udaipur Basin National Seminar on Consequences of Environmental Degradation in India'. Bhaba Saheb Ambedkar National Institute of Social Sciences, Mahow M.P.Indore. Organised by D.S.T, New Delhi/1990/ Abstract Vol. Page 43
4. Bhardwaj G.S. (1996) Environmental Geological Aspects of GroundWater Pollution Around Udaipur- An Interdisciplinary Approach The 30th International geological Congress, Beijing, China. Page
5. Bhardwaj, G.S.(1996)Environmental Impacts of Mining and Mineral Processing Industries: A case study of soil, water and air pollution in the surroundings Environs of Udaipur, Rajasthan, Fourth International Symposium on Environmental Issues and Waste Management in Energy and Mineral Production, Oct. 7-11, 1996, S.Margheritadi Pula, Caglari, Italy
6. Bhardwaj G.S., Sharma R. and Shekhawat M.S. (2000)Hydro-Geotechnical and Rock-Mass Rating Studies for Water Resources Management in Girwa Valley of Udaipur,Rajasthan, India- A Case Study, XII th Indian Geological Congress and National Seminar on Ground Water Resources'. Abstract Vol. Profile of Presentation/2000/ page 121
7. Bhardwaj G.S., Sharma R. and Shekhawat M.S. (2000) Application of Geo_Technical Criteria in Adopting Mining and Processing Technology for Dimensional Stones: Present Trends and Status of Stone Mining in Rajasthan, India, XII th Indian Geological Congress and National Seminar on Ground Water Resources'. Abstract Vol. Profile of Presentation/2000/ page 56
8. Bhardwaj G.S. A New Prospect of Energy: Hot Dry Rock System'National Conference on Commercialization Aspects of Renewable Energy Sources. Sponsored by the Ministry of Non-Conventional Energy Sources, All India Council of Technical Education, Indian Renewable Energy Development Agency, Government of India, New Delhi. Abstract Vol./2000/ page 223.
9. Bhardwaj G.S.Geoscientific Aspects of Bio-diversity Management and Evaluation: Exploring New Dimensions of Mine waste-Dup Site Medicinal Plant Forestry.National Seminar on Bio-diversity Conservation, Cultivation, Processing and marketing of Medicinal and Aromatic Plants. Published by The Indian Medicinal Plant Society and Spices Board Of India./2006/Page 120
10. Govind Singh Bhardwaj, Pramod Fojdar and Manish Kumar Sharma (2010) Correlation equations developed for drill machine performance considering physico-mechanical properties of the rocks: A study of three different open cast mines. Proceeding of national seminar on Utilization of Natural Resources: Projects and challenges, Dec 18-19, 2010. Department of Geology, MLSU, Udaipur, pp40
11. G.S.Bhardwaj, Y. Hemambaradhara Rao, B. Ramlingeshwara Rao and M.Venkateswarlu (2010)Petrological Studies of Mafic Rocks Around The Khairmalia: The Beginning of Vindhyan Sedimentation Proceeding of national seminar on Utilization of Natural Resources: Projects and challenges, Dec 18-19, 2010. Department of Geology, MLSU, Udaipur, pp40
12. Rao, Y.H., Bhardwaj, G.S., M.Venkateswarlu and B.Ramlingeshwara Rao (2011) Petrological and Palaeomagnetic Investigations on Andesites Khairmalia, South of Chittorgarh, Rajasthan, India.National seminar on Geoscience and water resources for sustainable development(GWRSD) February 11-12,2011, Department of Geophysics, Andhra University Visakhapatnam-530 003
13. Rao, Y.H., Bhardwaj, G.S. , M.Venkateswarlu and B.Ramlingeshwara Rao (2011) Petrological studies to test the suitability for Palaeomagnetic investigations on andesites from Khairmalia, south of Chittorgarh, Rajasthan, India.National seminar on "Geochemistry and geophysics of Earth materials and environment(GAGEME) January 28-29, 2011, at School of Earth Sciences, Swami Ramanand Teerth Marthwada University, Nanded, Maharashtra

14. Rao, Y.H., Bhardwaj, G.S. , M.Venkateswarlu, Sawant and B.R. Rao (2011) Petrological and trace element geochemistry on andesites Khairmalia, South of Chittorgarh, Rajasthan, India. National seminar on “ Development and sustainability of earth resources and environment (DSERE 2011) March 12-13, 2011, School of Earth and Atmospheric Sciences, Adkavi Nannya University, Rajahmundry- 533 105.
15. Bhardwaj Govind Singh (2012) Geosocial aspects of periurban regions, Abstract Vol. International workshop on Urbanisation of Peri-urban regions: Challenges and opportunities for security of water, food and liveability of future cities, sponsored by the The university of MELBOURNE, Australia India Institute, International Water Management Institute, University of SYDNEY, MPUAT INDIA, Vidhya Bhawan and organized by the MPUAT, Udaipur., page
16. Bhardwaj Govind Singh (2013) Geo-technical aspects in the field of processing and food engineering: A case study of Rajasthan, National Seminar on “ New Vistas in Food Processing with Quality Assurance for Augmenting Rural Prosperity” June, 21-22, 2013, Department of Processing and Food Engineering, CTAE, MPUAT, Udaipur-313001, Abstract Volume page 59

BOOKS/ SEMINAR PROCEEDINGS/MAGAZINES PUBLISHED Nos.06

1. S.S.Rathore, G.S.Bhardwaj & S.C.Jain (2000) TEXT BOOK OF DIMENSIONAL STONE TECHNOLOGY, Published by the Himanshu Publications, Udaipur-Delhi aryabook@bpl.net.net.in 313001, © Authors ISBN No. 81-86231-92-7
2. Dr G.S.Bhardwaj (2000) Editorial board member-PROCEEDINGS OF THE NATIONAL SEMINAR-Safety and Technology in Marble Mining and Processing in New Millenium, March 10-11, 2000; Published by the Department of Mining Engineering and Directorate General of Mines Safety, Udaipur Region, Udaipur Rajasthan.
3. Dr.G.S.Bhardwaj, A.M.Ansari, A.Bhandari, N.Gupta Editors (2001) PROCEEDINGS OF THE NATIONAL SEMINAR- Technomine –Mining in New Millenium, Feb 22-23, 2001; Price Rs.250.00 Published by the Association of Innovative Mining Engineering Students AIMES, Department of Mining Engineering, C.T.A.E., Udaipur.
4. Dr G.S.Bhardwaj (1994-2001) Editorial board member-COLLEGE MAGAZINE-Tech-View Magazine(05 Academic sessions issue CTAE, MPUAT, Udaipur (Year1994-95, 1996-97, 1997-98, 2001-02, 2011-12)
5. Dr Govind Singh Bhardwaj (2010) Editor in Chief- International Journal of Geosciences and Environment Vol.1, 2010, Published by the Geoscientists Society of Rajasthan
6. G S Bhardwaj (2014) Editor- A Practical Guide Book Laboratory Manual Mining Geology I, self published, printed at Director Planning and Monitoring, MPUAT, Udaipur-313001, India. Copyright author, ISBN 978-93-5156-100-2

MISCELLANEOUS TECHNICAL DELIVERY

Technical reports prepared unpublished Nos. 10

Popular articles published Nos. 10

Research articles submitted Nos. 03

Radio-talks on scientific topics delivered Nos. 09

Lecture delivered as a resource person Nos. 25

Documentary on groundwater exploration by Geo-electrical resistivity survey telecasted eTv Rajasthan India
Panel discussion on education system, participated on PAL PAL PRASANNTA Tv Channel, Udaipur-313001

Awards received at national and international level Nos. 08

Industry-Institute consultancy work done 10

OTHERS

Fellow and member professional societies, administrative work etc.

Dr Govind Singh Bhardwaj