

CURRICULAM VIATE

Name : P. Prabhakar

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Mangal Residency
Opp. Asara Society,
Hotgi Road,
Solapur – 413 003.
(M.S.)
Ph. No.: 0217 – 2607251, 9422370524

Educational Qualification:

Degree	Year of Passing	University	Class	Percentage
B.Sc (Hons.)	1980	Osmania Univ.	First	67 %
M.Sc.	1982	Osmania Univ.	First	74 %
Ph.D.	1988	Osmania Univ.	---	

Other Qualification : Qualified CSIR JRF NET Examination during the year 1983.

Ph.D. Title : **Study of primary and secondary Geochemical dispersion pattern around Gani-Kalva copper deposit Kurnool district, Andhra Pradesh.**

Projects completed and report submitted: **Geochemical surveys in identification of ore bearing potentials of Granites from parts of Karimnagar and Hyderabad districts of A.P. India. A major research project sponsored by UGC New Delhi with a sum of Rs. 1.92 Lakhs during 1994-97.**

Research students under my guidance :

Sr. No.	Name	M.Phil / Ph.D.	Year of Registration	Specialization	Remarks
1	Mr. M.A. Malik	M.Phil	1991	Geochemical Exploration	Completed with A grade
2	Mr. M.S. Bhaise	Ph.D	2007	Geoenvironmental	Due for submission
3	Mr. K.C. Mujawar	Ph.D	2007	Environment and Watershed	Completed.
4	Ms. E. K. Varghese	Ph.D	2008	Mine rehabilitation	Registered
5	Mr. M.A. Malik	Ph.D	2010	Ore bearing potential of granites	Field Work Completed

Dissertations completed for M.Sc. Students under my guidance :

- 2001 : Pedological studies from Solapur city area, Maharashtra : Shelgikar R.B.
- 2002 : Groundwater chemistry of Adila Basin, Solapur – Osmanabad districts, Maharashtra, India : Dhavale S.S.
- 2003 : Mineralogical studies of foundry grade sand : Vanarote R.N.
- 2004 : Geological study of pegmatites around Kadawal, Kudal Taluka, Sindhudurg district, Maharashtra : Mane K.P.
- 2004 : Geochemical study of groundwater in Hattur nala basin, Solapur, Maharashtra : Godbole Y.S.
- 2004 : Rainwater harvesting structures for Shivaji University Post Graduate Centre, Kegaon, Solapur : Mane P.S.
- 2005 : Geological, Geomorphological and Geophysical studies of the site selected for Minor Irrigation dam in Soregaon of Hattur nala basin in Solapur district, Maharashtra : Varghese E.K.
- 2006 : The mineralogical studies of filter bed sands from the water treatment plants at Pakani, Soregaon, and Rupa Bhavani, Solapur, Maharashtra : Mahesh S. Bhaise.
- 2006 : Study of heavy mineral distribution in Karli river Sindhudurg District, Maharashtra. : Rahul M. Aware.
- 2007 : Geological, Geomorphological and Morphometric study of Kasari river basin, Panhala taluka, Kolhapur, Maharashtra. : Hemant kumar D. Bhosale.
- 2007 : Interpretation of Geochemical data in assessing ore bearing potential of granites. : Archana S. Adake.
- 2007 : The micro-paleontological studies of the sand deposits of Karli river creek, Sindhudurg district, Maharashtra. : Karim C. Mujawar.
- 2008 : Integrated Geoenvironmental studies of lakes in and around Solapur city, Maharashtra. : Daga Megha M.
- 2008 : Foraminiferal studies in Savitri river estuary Raigad District, Maharashtra. : Shaikh Nilofer H.B.
- 2009 : Harnessing the harsh: Quality and Yield of Groundwater from Phreatic Wells from Basaltic Terrain of Solapur City Maharashtra : Machchha. Palavi
- 2009 : Resource geospatial data management and its Benefits to Society: A case study from Hiraj village, Solapur district, Maharashtra. Shaikh M. A
- 2010 : Anisotropic Groundwater Quality From Phreatic Aquifers in Basaltic Rocks in Parts of Solapur City, Maharashtra: Chougule.S. N
- 2010 : Geological Studies and Related Eco-Tourism of Varkala Beach In Trivandrum District, Kerala, Panicker. N.P
- 2010: Quest for Quality: A Case Study of Drinking Water From Solapur: Maheshwaram. B.G
- 2010: Study of Most Probable Number Of Coli Form Bacteria and Total Hardness in Bore Well Water Samples From Selected Hospitals, Solapur, Maharashtra: Bujal V.M
- 2010: Study of Water Pollution In Bhima River Around Pandharpur City, Solapur Dist, Maharashtra: Shalake. S. T
- 2011: Integrated Geological Study of Archeological Site at Vakhav Madha Taluka, Solapur District, Maharashtra, Ms Sarwde K. G
- 2011: Geo-Technical Investigation for the Proposed Expansion of the High-Way Bridge On Adila Nala at Bale, Solapur, Maharashtra: Chilka. N. N
- 2011: 24 X 7 Water Supply To Solapur City: A Distant Dream – An Application of G I S Technique: Unnale P. L
- 2012: An Insight into the Unseen: A Case Study Of Ambient Air Quality In Solapur City Maharashtra: Ms Bansode. P. B
- 2012: Reaching The Unreached: A G I S Technique of Flood Inundation Mapping For Pandharpur Town, Solapur District, Maharashtra: Kedar. N. S
- 2013: Geology and Geomorphology of Bellum Caves, Kurnool Dist, Andhra Pradesh: Dethe S.S.

Professional Experience :

- 1) Junior and Senior Research Fellow (CSIR) from 1/6/1983 to 31/5/1988 at center for exploration geophysics, Osmania University, Hyderabad.
- 2) Completed two orientation courses at Academic Staff Colleges, Osmania University, Hyderabad, Goa University from 29/6/1992 to 22/7/1992 and 3/9/1992 to 30/9/1992 respectively.
- 3) Completed three refresher courses at Academic Staff Colleges Punjab University, Chandigarh, Mangalore University and Baroda University from 14/9/1993 to 11/10/1993, 22/8/1994 to 14/9/2004 and 4/1/1999 to 24/1/1999 respectively.
- 4) Participated in 21 days training workshop on Geophysical Technology for Coal prospecting and Mining, Osmania University Hyderabad. 20/1/1998 to 10/2/1988.
- 5) Chaired a Technical session on Hydrogeology in MSI convention and International Seminar on Earth Resources Management. Kerumpu University, Shimoga.
- 6) Chaired a Technical session III B on Integrated Approaches for Earth Resources. International Seminar on Geoinformatics 2004 held at University of Mysore 13-14 Dec. 2004.
- 7) Represented Solapur University in the core Group II in quality of Ph.D. Programmes at State Level Workshop on Ph.D. Programme, University of Pune, Pune during 14-15th Jan. 2005.
- 8) Chaired a Technical session in the National Seminar on Environment and Sustainable Development 28. 03. 2013 held at Solapur University, Solapur.

Administrative Experience:

- 1. Presently, Incharge Head, Department of A I H C & A. 2004-2005**
2. Member of admission committee for P.G. Courses from 1990 to 2012.
3. Member of local inquiry committee for granting affiliation to Post Graduate course in Geography in DBF College of Arts & Science, Solapur, 2005
- 4. Worked as member B.O.S. Committee for syllabus designing and restructuring at M.Sc level Shivaji University.**
5. Worked as organizing member and delivered lectures at regional level workshop for under graduate teacher at SUPG Centre, 1998.
6. Worked as university subject expert for lecturer appointment committee J.J. Magdum College, Jaisinghpur, Sangli.

- 7. Worked as Secretary and Founder of Science Spectrum from 1999 to 2004 at SUPG Centre, Solapur.**
8. Worked as member Organising Committee and Chairman Technical Sessions Committee of National Level Seminar on Water Resources and Sustainable Development 1999 held at SUPG Centre, Solapur.
9. Worked as member Organising Committee for State Level Seminar 1993 “Geology of Maharashtra, Economical and Environmental aspects, held at SUPG Centre, Solapur.
10. Worked as Secretary, Department Development Committee.
11. Worked as member Department purchase committee.
- 12. Worked as UGC-NET/ SET examination observer twice yearly from 1994 to 2012.**
13. Worked as member for M.Phil entrance and M.Sc also as Registration cum admission committee of Ph.D.
- 14. Worked as chairman and member on examination flying squad during April 1997, April 1998, Oct., 2000, April/May 2004.**
15. Worked as examiner at M.Sc , M.Phil and Ph.D from 1994-1995 till date.
16. Proposed examination reforms at M.Sc level, the same has been accepted (partly).

Areas of personal interest

- Sediment Geochemistry in Exploration of Base-Metal and Sn-W-Mo Mineralisation.
- Soil Geochemical Exploration for Sn-W-Mo deposits.
- Litho Geochemistry for Porphyry copper and Sn-W-Mo in Precambrian granites.
- Hydrogeochemistry for groundwater prospecting in phreatic conditions of granites and basalts.
- Geotechnical Investigation for Social benefit.
- Ambient Air Quality of Solapur City
- Foraminiferal Studies for Environmental Implication

ANNEXURE I

RESEARCH PAPERS PUBLISHED

1. Vidyasagar Chary D., Sitaramayya S. and Prabhakar P. 1987 : Trace element distribution in soils over Mailaram copper deposit and their significance to geochemical prospecting. Jour. of Pure and Applied Sciences – Earth Science series. Vol. 6 F (1-2).
2. Ranganathan K. and Prabhakar P. 1997: Hydrogeochemistry as a guide for groundwater prospecting in Hyderabad City area India. National Seminar on Hydrogeology of Precambrian terrain's and hard rock areas. 3-4 Feb. 1997. Post-Seminar volume. pp 65-72.
3. Prabhakar P., Malik M.A. and Gajul M.D. 2000: Orientation lake sediment geochemical exploration and base metals in Koheda area of Karimnagar district, Andhra Pradesh India. Indian Journal of Geochemistry Vol. 15. pp 21-30.
4. Sawant P.T., Suryawanshi R.A., Prabhakar P. and Joshi S.B. 2000: Geomorphological Evolution of Coastal Tract between Jaigarh and Bhatya Creek, Ratnagiri District, Maharashtra; Coastal Zone Management Spl. Pub. Vol. No. 2, pp. 17-26.
5. Prabhakar P. and Malik M.A. 2001: Geochemical studies in assessing ore bearing potential of Koheda granites, Karimnagar district, Andhra Pradesh, India. GSI special volume No. 52, pp. 97-106.
6. Prabhakar P. Ajinkya Katkar and Kulkarni D.D. 2003: Textural and Mineralogical control of foundry grade sand: A case study. Workshop on sustainable resource management in mining with special reference to coastal regions of Karnatak and Maharashtra, 23rd Nov. 2003, Mining Engineers Ass. India. pp 42-44.
7. Ajinkya Katkar, V.B. Sawant and Prabhakar P. 2003 : Remote Sensing technique : a tool for artificial recharge of groundwater : A case study from North Solapur taluka, Solapur District, Maharashtra, Paper in soft copy c.d in proceedings of I.S.R.S. convention 9-12 Dec. 2003 Thiruvanthapuram file No. 21.
- 8 Prabhakar P., Sawant V.B., and Varghese E 2006: Integrated investigation for the selected dam site in Hattur nala basin Solapur District, Maharashtra. Mining Engineer's Association of India "Watershed Development and Management." pp 45-51
- 9 Vandana Sardeshmukh, Laxmi Mushan and Prabhakar P. 2007 : A comparative study of fluoride concentration in drinking water samples collected from various sources in and around Solapur city, Maharashtra. Jour. Ind. Acad. Geosci. Vol. 50 No.1 pp 37-40.

10. Ghodake V.R., Sabale S.M., Natkar P.C., Kulkarni D.D., Prabhakar P. and Narayanpethkar A.B. 2008: Geophysical and Hydrogeological Investigation in Hiraj, North Solapur, District Solapur, Maharashtra, India. National Conference on Emerging Technologies in Civil Engineering-08., 546-554pp.
11. Kulkarni D.D., Nalla B.K., Bhaise M.S. and Prabhakar P. 2008: Efficacy of GIS studies in assessing urban sprawl around highways connecting Solapur city, Maharashtra. Nat. Conf. on “Emerging technologies in civil engineering-08” pp. 437-44.
12. Prabhakar .P., Machchha P.A., Bhaise M.S. and Birajdar M.S 2010: Harnessing the harsh: quality and yield of groundwater in phreatic wells from basaltic terrain of Solapur city, Maharashtra., Nat. Con. Of IWWA., Jodhpur., 25-31pp.
13. Prabhakar.P ., Maheshwaram. B.G., Chougule S.N., Bujal V.M., Mujawar K.C and Birajdar M.A 2012: Quest for Quality: A Case Study of Drinking Water Quality of Central Assembly Constituency of Solapur, Maharashtra. Jour. of IWWA.Vol.No.44. Iss.No.4. 296-299 pp
14. Prabhakar. P., Bansode. P. B Mujawar. K. C 2012: An Insight into the Unseen: A Case Study of Ambient Air Quality In Solapur City, Maharashtra, India. Jour. Of Environ. Geochem., Vol.15.,No:2., 43-46 pp
15. Prabhakar. P., Shaikh.N.H.B., Patel.S.S and Mujawar.K.C 2012: Distribution of Foranimifera In Savitri River Estuary, Raigad District, Konkan Coast, India: Its Implication in Environmental Studies., Jour. of Ind. Aca. Geosci. Vol.55. No.1. 9-12 pp
16. Prabhakar. P., Gajul M.D. and Mujawar.K.C 2013: Ambient Air Quality in Solapur; A tight rope walk for Solapur citizens. Jour. Of Ind. Aca. Geoscience Vol. 56 No. 1-6pp
17. Mujawar K.C., Prabhakar P. and Gajul M.D 2014: Hydrogeological and Geophysical Investigations for Groundwater Resources in Sinhgad Institutes Campus, Solapur., Proceeding of 4th International Conference on Hydrology and Watershed Management Vol. 1 No. 75-78 pp.

ANNEXURE II

PAPERS PRESENTED AT SEMINARS / CONFERENCES / WORKSHOPS

1. Sitaramayya S., Prabhakar P. and Vidyasagar Chary D.1986 : Stream sediment geochemical survey over Gani copper deposit of Gani Kalva area, Kurnool dist. Andhra Pradesh, India 12th Annual convention and seminar on exploration geophysics sponsored by Ass. Explor. Geophysicists. Trivandrum.
2. Vidyasagar Chary D. Sitaramayya S., Prabhakar P. 1986: Differential extractions in stream sediments of Mailaram copper deposit A.P., India 12th Annual convention and seminar of on exploration geophysics sponsored by Ass. Explor. Geophysicists. Trivandrum.
3. Prabhakar P., Patil R.R. and Sitaramayya S. 1988: Anomalous behavior of trace elements in stream sediments from Gani-Jalakannur area Kurnool dist., Andhra Pradesh. National Seminar of application of geochemistry, sponsored by Shivaji University, Kolhapur and U.G.C. New Delhi.
4. Prabhakar P. and Ranganathan K.1990: Lithochemical survey around Gani-Kalva copper deposit of northern part of Cuddapah basin, Kurnool dist., Andhra Pradesh. National seminar on Precambrian Geology, Madras sponsored by U.G.C. O.N.G.C., G.S.I. and D.S.T., New Delhi.
5. Prabhakar P. and Sitaramayya S. 1991: Orientation soil geochemical survey around Gani-Kalva copper deposit of northern part of Cuddapah basin, Kurnool dist. Andhra Pradesh., National seminar on recent advances in Indian mineral scenario-genesis and exploration, sponsored by Indian Geological Congress, Ujjani.
6. Prabhakar P. and Sitaramayya S. 1991: Lake Sediment geochemical survey : A rapid technique of prospecting, National seminar – recent trends in prospecting of earth resources, sponsored by U.G.C. Chennai.
7. Ranganathan K. and Prabhakar P. 1992: Hydrogeochemistry as a guide for groundwater prospecting in Hyderabad City Area India. International Seminar on Hydrogeology, Kathmandu, Sponsored by Nepal Geological Survey and A.H.I.
8. Prabhakar P. and Gajul M.D. 2000: Orientation stream sediment geochemical survey around base metals mineralisation in northern part of Cuddapah Basin.Kurnool district, Andhra Pradesh, India. I.G.C. Convention, Udaipur. Sponsored by IGC.
9. Prabhakar P. and Malik M.A. 1997: Geochemical studies in assessing ore bearing potential of Koheda granites, Karimnagar district, Andhra Pradesh India. National Seminar on Precambrian Geology of India, Calcutta. Sponsored by Geological Survey of India.
10. Prabhakar P., Ajinkya Katkar, Kulkarni D.D. 2003: Textural and Mineralogical Control of Foundry grade sand : A case study “Workshop on sustainable resource management in

mining : With special reference to coastal areas of Karnataka and Maharashtra, Sponsored by M.E.A.I., Belgaum.

11. Ranganathan K., Prabhakar P. and Katkar A.A. 2003: Soil geochemical prospecting for Hydrocarbons in Kaza area of Krishna-Godavari Basin, Andhra Pradesh, India. International Symposium on trends in surface geochemical prospecting and risk reduction for hydrocarbon exploration and development, sponsored by O.N.G.C., O.I.L. D.S.T. and N.G.R.I. Hyderabad.

12. Ajinkya Katkar, V.B. Sawant and Prabhakar P. 2003: Remote Sensing Technique : A tool for artificial recharge of groundwater : A case study from North Solapur Taluka, Solapur district, Maharashtra. I.S.R.S. Convention and National Symposium on Resource Management with special reference to geoinformatics and decentralized planning. Trivandrum. Sponsored by CESS, DST, NRSA.

13. Katkar A.A., Patil K.T., Prabhakar P. and Narayanpethkar A.B. 2003: Geoelectrical surveys in identification of ground-water recharge zones in Nannaj Odha basin, North Solapur Taluka, Maharashtra. 40th IGU Convention and National Seminar on Modern techniques in mineral exploration Chennai. Sponsored by IGU, DST.

14. Katkar A.A. and Prabhakar P. 2003: Anthropogenic Influence in Bhima-Sina Basins and their effects on Environment and Water Resources of nearby rural settlements. 13th IGC convention. Dheradoon, Sponsored by IGC, DST.

15. Katkar A.A., Kulkarni D.D., P.Prabhakar and Zambre M.K. 2004: Curative measures for damaged watershed : A case study from North Solapur Taluka, Dist. Solapur 90th Convention of Indian Science Congress Chandigarh, Sponsored by Indian Science Congress.

16. Prabhakar P., Katkar A.A. and Malik M.A. 2004: Soil Geochemical Survey in Identification of Molybdenum and Base metal occurrences in Koheda Area Karimnagar District Andhra Pradesh India. 6th MSI Convention and International Seminar on Earth. Resource Management Shimoga, Sponsored by UGC.

17. Katkar A.A. and Prabhakar P. 2004: Constructive use of Punctured Major water supply pipeline : Case study from Solapur City, Maharashtra. 6th MSI Convention and International Seminar on Earth Resource Management Shimoga, Sponsored by U.G.C.

18. Ajinkya Katkar, Sawant V.B., Prabhakar P. and Narayanpethkar A.B. 2004: Environmental Hazards resulting from stone quarrying and crushing units located near rural settlement around Solapur City. National Seminar on recent trends in earth Science Tirupati, Sponsored by U.G.C.

19. Ajinkya Katkar, Kulkarni D.D., Prabhakar P. and Narayanpethkar A.B. 2004: Water management practices in medieval India : A Case study from Fort Complex of Solapur City. National Seminar on recent trends in Earth Science Tirupati, Sponsored by U.G.C.

20. Prabhakar P. and Katkar A.A.2004: Sequential extraction technique in monitoring geochemical dispersion of Cu, Pb, Zn, Fe and Mn from ancient working : A case study from Gani copper mineralisation, North Cuddapah basin, Kurnool (Dist.), Andhra Pradesh. At international conference on soil and groundwater contamination risk assessment and remedial measures need at National geophysical research Institute, Hyderabad during 8th – 11th Dec, 2004.
21. Varghese E., Sawant V.B., Prabhakar P.2004: Comparative geotechnical investigations for the selected dam site in Hattur Nala Basin, Solapur, Maharashtra. At International Seminar on Geoinformatics 2004 held at University of Mysore, Mysore during 13th – 14th Dec. 2004.
22. Prabhakar. P 2006: Lake-Sediment geochemical survey in Pre-Cambrian granitic terrain in parts of Karimnagar Dist., Andhra Pradesh. Nat. Sem. On Evaluation of Min. Resources of India held at Vishakapatam between 2nd and 4th march 2006.
23. Kulkarni D.D and Prabhakar. P 2006: Fluid inclusion as a tool for mineral exploration: A case study from few sulphide deposits from South India. Nat. Sem. On Evaluation of Min. Resources of India held at Vishakapatam between 2nd and 4th march 2006.
24. Prabhakar.P., Patil.S.G., Bhaise.M.S and Sawant.V.B:2007: Groundwater development in Hiraj village: Solapur University as Benefactor, Nat.Sem on Geo-Ecological intervention in the drought prone regions- An interface between science and society held at Walchand College of Science & Arts Solapur between 23& 24 March 2007.
25. Ghodake V.R., Sabale M.S., Natkar.P.C., Kulkarni D.D., Prabhakar .P., and Narayanpethkar A.B 2008: Geophysical and hydrogeological investigation in Hiraj, North Solapur, Solapur Dist., Maharashtra, India. At National Conference On Emerging Technologies in Civil Engineering, held at V.V.Patil College of Engineering Ahmednagar 28-29 Feb 2008.
26. Kulkarni D.D., Nalla B.K., Bhaise M.S and Prabhakar. P 2008: Efficacy of GIS studies in assessing the urban sprawl around highways connecting Solapur City, Maharashtra At National Conference On Emerging Technologies in Civil Engineering, held at V.V.Patil College of Engineering Ahmednagar 28-29 Feb 2008.
27. Prabhakar .P., Machchha P.A., Bhaise M.S. and Birajdar2010: Harnessing the harsh: quality and yield of groundwater in phreatic wells from basaltic terrain of Solapur city, Maharashtra., Nat. Con. Of IWWA., Jodhpur., 25-31pp.
28. Prabhakar .P., Shaikh. N.H.B., Patel and Mujawar K. C 2012: Distribution of Foraminifera in Savitri river estuary, Raigad district Konkan coast India: its implication in environmental studies at Inter Nat. Conf. on MAAG held at G.K.G College Kolhapur 20-21 Jan 2012.

29. Mujawar K.C and Prabhakar P 2012: Integrated watershed management of Shelgi nala basin, Solapur City, Maharashtra, India at International Con. On Sustainable water resource development and management held at Shivaji University Kolhapur 20-21 Dec 2012
30. Mujawar K.C and Prabhakar. P 2012: Quest for quality: A case study of groundwater quality in Shelgi Nala basin, Solapur City, Maharashtra, India. Int. Nat. Groundwater Con. Held at Aurangabad between 18 & 21 Dec.2012.
31. Prabhakar P., Unhale P.L and Mujawar K.C 2012: 24 X 7 water supplies to Solapur City: A distance dream. Int. Nat. Groundwater Conf Held at Aurangabad between 18 & 21 Dec.2012.
32. Mujawar K.C and Prabhakar P 2013: Groundwater budgeting in Shelgi Nala Basin, Solapur District, Maharashtra, India at Nat. Sem on Environmental Disaster Management for Sustainable Development held at Solapur on 28th March 2013.
33. Prabhakar P and Mujawar K.C 2013: Morphometric analysis of Shelgi nala Basin and its significance for Groundwater Occurrence at Nat. Sem on Environmental Disaster Management for Sustainable Development held at Solapur on 28th March 2013.
34. Prabhakar P., Gajul M.D. and Mujawar K.C 2013: Summer ambient air quality in Solapur; A tight rope walk for Solapur at International Congress of Environmental Research held at Aurangabad on 19-21 December 2013
35. Prabhakar P., Mujawar K.C and Gajul M.D 2013: Temporal variation of water quality in Shelgi Nala, Solapur District, Maharashtra, India. at International Congress of Environmental Research held at Aurangabad on 19-21 December 2013
36. Gajul M.D., Mujawar K.C. and Prabhakar P.2014: Harnessing the Harsh : Rainwater harvesting structures in India -A practical solution for recurring problem. at National Conference on Approaches in Remote Sensing and Geographical Information System 4th and 5th April , 2014
37. Mujawar K.C., Prabhakar P. and Gajul M.D.2014: Assessment of Groundwater Quality in Shelgi Nala Basin, Solapur (M.S.), India at National Conference on Approaches in Remote Sensing and Geographical Information System on 4th and 5th April , 2014 D.B.F Dayanand College of Arts and Science, Solapur.
38. Mujawar K.C., Prabhakar P. and Gajul M.D. 2014: Hydrogeological and Geophysical Investigations for Groundwater Resources in Sinhgad Institutes Campus, Solapur., at 4th International Conference on Hydrology and Watershed Management held at Hyderabad on 29th Oct. to 1st Nov. 2014.
39. Gajul, M.D., Mujawar.K.C., Unale P.L. and Prabhakar.P 2014: Taming The Untamed : GIS Technique In Analysis of Drought Prone Balatira Watershed, Atpadi Taluka , Sangli District , Maharashtra. At 4th International Conference on Hydrology and Watershed Management held at Hyderabad on 29th Oct. to 1st Nov. 2014.

B) Teaching Load from last 24 years (average in Hours/Week) :

Degree	Theory	Practicals	Total	Subject Taught
M.Sc.	08	06	14	Mineralogy, Igneous and Metamorphic Petrology, Mineral Exploration, Geochemistry, Environmental Geology
M.Phil	02		02	Research Methodology, Sedimentology and Stratified ore Deposits, Mineral prospecting

Curriculum Vitae

1. Name : DR. RAVINDRA SOPAN GAVALI
2. Designation : Associate Professor & Head
3. Educational Qualification

Sr.No	Degree	University	Year
1.	PhD	JNU, New Delhi	2003
2.	NET	UGC/ICAR	2001
3.	M.Sc	JNU, New Delhi	1997
4.	B.Sc	University of Delhi	1995

4. Contact Details

Telephone- 9371156628 Mobile No- 9371156628 Email- rsgavali@gmail.com,
rsgavali@sus.ac.in

5. Refresher Course: N.A.
6. Orientation Course: UGC-Academic Staff College, Pune, 1/1-2007 – 28/1/2007
7. Total teaching Experience: 10 years
8. Areas of Specialization: Natural Resource Management and Conservation, Watershed Management, Water Pollution Monitoring and Assessment, Climate Change
9. Research Area: Geoinformatics Applications in Environmental Sciences
10. Particulars of Research guidance

List of Ph.D Students Guided

Sr.No	Name of Candidate	Research Topic	Status (Awarded /Working)
1.	Mir Mehrdad Mirsanjari	Study of Strategic Potential of Eco-tourism in Pune District for its Development and Management	Awarded (2007) University of Pune
2.	Mohammad Reza Yavarzadeh	Effective Utilization of Fly Ash for Management of Environmental Pollution and its Impact on Soil Health, Physiology and Yield Of Wheat	Awarded (2008) University of Pune
3.	Mohammad Hassan Jouri	Ecological Study of Albroz Grassland	Awarded (2010) University of Pune

		(Javaherdeh and Polour) in Scale of Two Geographical Regions of Irano-Touranian and Euro-Siberian	
4.	Marale Sanjay Mohan	Assessment of Pilgrimage Impact on River Water Quality and Health Along the River Indrayani, District – Pune, India	Awarded (2011) University of Pune
5.	Taha Tohidi Moghaddam	Environmental Impact Assessment of Aluminum Complex to be located in Lamerd City in the South Iran	Awarded (2012) University of Pune
6.	Pande Satish Achyut	Ecology of the Indian Eagle Owl <i>Bubo Bengalensis</i> (Franklin) with emphasis on Breeding and Foraging Habits	Awarded (2012) University of Pune
7.	Asiya Nazir Kahan	Impact of Structure, Geomorphology and Environment on Siltation Process at Wular Lake (Kashmir), India	Awarded (2013) University of Pune
8.	Yedage Anil Siddeshwar		Awarded (2013) University of Pune
9.	Javed Ahmed Sheikh	Studies on Impacts of Anthropogenic Activities on the Wular Lake with Reference to Water and Sediment Chemistry and Macrophytes	Awarded (2015) University of Pune
10.	Jehangir Khan	Studies on the Microbial Diversity of Dal Lake, J & K, India	Awarded (2015) University of Pune
11.	Neetu Panwar	Analysis of the Interrelationships of Protected Area- Local Communities- Ecotourism in Two Dryland Wildlife Sanctuaries of	Thesis submitted (2105) University of Pune

		Maharashtra	
12.	Pravat Chandro Sutar	Efficacy of Different Forest Management Practices in Northern Tropical Dry Deciduous Forest Type of Orissa	Working University of Pune
13.	Rohini Ramchandra Joshi	Population Ecology of Chital (<i>Axix-axix</i>) on the NDA Campus	Working University of Pune
14.	Bagwan Wasim Ayub	Assessment of Soil Erosion in the Urmodi River Watershed of Satara District (M.S.) by using Geoinformatics Approach	Working Solapur University
15.	Ghule Yuvraj Ankush	Bioaccumulation and Translocation of Heavy Metals in the Ujjani Reservoir	Working Solapur University

List of M.Phil Students Guided

Sr.No	Name of Candidate	Research Topic	Status (Awarded /Working)
1.	Mr. Rahul Diggikar	Study of Nanomaterial (V_2O_5) for enhancing the charcoal adsorption in Purification of Water	Awarded (2009) YCMOU

11. No of research papers published

In national and International Journals: Thirty (30)

12. No. of Books Published : NIL

13. Papers presented in National Conferences : Ten (10)

14. Papers presented in International Conferences : Three (3)

15. Research Projects: Four (4)

16. Member of (Name of various Authorities, Bodies and Committees) :

- Senate Member, Solapur University,
- Former Board of Studies (BOS) member, North Maharashtra University, Jalgaon,
- Indian Society of Remote Sensing
- Indian Environment Association (Pune Chapter)
- Indian Environment Network

- Conservation Alliance, UK
- Kalinga Development Foundation

17. Member of Editorial Board: Enrich Environment Journal,
18. Positions held: 1. Head, Department of Geoinformatics
2. Chairman, Prevention of Sexual Harassment Committee, as per UGC rules, Solapur University
3. Chairman, M.Sc Geoinformatics Examinations
19. Awards and Rewards: JRF & SRF UGC, American Geophysical Union – under Berkner Membership Award
20. Abroad Visits:
21. Other Activities : University Coordinator – ISRO EDUSAT programme

Peer Reviewed / Refereed Publications in Journals:

1. Analysis and Resolution of Protected Area - People Conflict in Nanda Devi Biosphere Reserve, India. In an International Journal (Cambridge University Press, UK), *Environmental Conservation* (2000): 27(1): 43-53. 0376-8929
(IF:2.00)<http://journals.cambridge.org/action/displayAbstract;jsessionid=9BD3E3E6D823EEC18E8788B6D5CEA719.tomcat1?fromPage=online&aid=38075>
2. Mirsanjari M. M; **R. S. Gavali** ; K. N. Dhumal, Environmental Valuation of Ecotourism and pasture (Pune District), (2005) Q. Sci. J. For. Range, 64: 56-62.
3. Mirsanjari M. M; **R. S. Gavali** ; K. N. Dhumal Importance of Information System in Ecotourism Planning (India and Iran)- (2006) *Journal of Scientific Research and Technology*-No.17,18- pp 32-38
4. Mirsanjari M. M; **R. S. Gavali**; K. N. Dhumal Ecotourism Strategy based on Sustainable Development - (2006) Q. Sci. J. For. Range, 71: 7-10.
5. M. R. Yavarzadeh, **R. S. Gavali**; K. N. Dhumal, Impact of Soil Application of Fly Ash on Growth and Yield of Wheat (*Triticum aestivum*), *Journal of Maharashtra Agriculture Universities*, (ISSN: 0378-2395), 2008, 33 (2): 158-160.
6. M. R. Yavarzadeh, **R. S. Gavali**; K. N. Dhumal and S. M. Jawale. Yield response of Wheat (*Triticum aestivum*) to solid waste. *Bioinfolet*. (ISSN: 0973-1431) 5 (1): 56-56.
7. M. R. Yavarzadeh, **R. S. Gavali**; K. N. Dhumal. Efficacy of Fly Ash and Vermicompost on Morphophysiological Characters and Yield of Wheat with Reference to Soil Health, *Journal of Soils and Crops* (ISSN: 0971-2836), Soil and Crop Society, 18 (2).
8. Yavarzadeh, M.R., **Gavali, R.S.** and Dhumal, K.N.. (2008). Impact of fly ash and vermicompost on growth and yield of wheat (*Triticum aestivum*). *Indian Journal of Plant Physiology*. (In press).
9. Mirsanjari M. M; Kambiz A. A., K. N. Dhumal, **R. S. Gavali**; (2008). Importance of Lakes Potential for Development of Ecotourism in Pune District. In Sengupta M, & Dalwani R (Edts), *Proceedings of Taal 2007: The 12th World Lake Conference*: pp. 1186-1196.
<http://wldb.ilec.or.jp/data/ilec/wlc12/N%20-%20Ecotourism/N-2.pdf>

10. [U.D. Kulkarni](#), [Asiya Nazir Khan](#) and [R. S. Gavali](#). Rate of Siltation in Wular Lake, (Jammu and Kashmir, India) with Special Emphasis on its Climate & Tectonics, (2009), [The International Journal of Climate Change: Impacts and Responses](#) CG Publisher, Australia, ISSN 1835-7156, Volume 1, Issue 3, pp.233-244.
<http://www.cabdirect.org/abstracts/20103169000.html;jsessionid=7C166C23F76F298E6C016C238886A441>
11. S. Marale, K. Roa, D. Mahajan and [R. S. Gavali](#). Multi-criteria assessment of different temporal water quality changes causing impact on public health (2010), *International Journal of Integrative Biology*. ISSN (online): 0973-8363, ISSN (print): 0974-2816 Vol. 9, No. 3, 122-126. (IF: 1.944).
<http://ijib.classicrus.com/trns/174541314014389.pdf>
12. Javid A Sheikh, G Jeelani and [R S Gavali](#) (2010), Hydrogeochemistry of Groundwater and its Suitability for Drinking and Irrigation Purposes from Baramulla District, Kashmir Valley, India, *J. Himalayan Ecol. Sustain. Dev.* ISSN 0973-7502; 5 (1), pp. 77-86.
<http://www.kashmiruniversity.net/download/himalaya2010.pdf>
13. T. T. Moghaddam, P G. Saptarshi, [R. S. Gavali](#), S. Mohammadnejad; Environmental Impact Assessment of HF Emission in South of Iran by Gaussian Atmospheric Dispersion Model, *Journal of Environmental Science and Engineering (USA)* (ISSN 1934-8932) in No.2, Vol.5, 2011. pp 227-233.
<http://www.davidpublishing.com/davidpublishing/Upfile/11/21/2011/2011112165835649.pdf>
14. M. H. Jouri, D. N. Patil , [R. S. Gavali](#), M. Shokri & N. Safaian; Bioclimatic study of upland habitats of the north Alborz (Iran) IX International Rangeland Congress - IRC2011 "Diverse Rangelands for a Sustainable Society" Rosario, Argentina - April 2 to April 8, 2011, pp 265.
<http://www.irc2011.com.ar/presentations/>
15. M. H. Jouri, [R. S. Gavali](#), D. N. Patil , N. Safaian; Role of plant diversity and richness in the assessment of health condition of mountain rangeland ecosystems - Case study: Central Alborz (Iran) IX International Rangeland Congress - IRC2011 "Diverse Rangelands for a Sustainable Society" Rosario, Argentina - April 2 to April 8, 2011, pp 118..
<http://www.irc2011.com.ar/presentations/>
16. M. H. Jouri, D. N. Patil , [R. S. Gavali](#), N. Safaian; (2011) The function of plant richness and diversity on eco-balancing of upland rangeland on Alborz Mountains (North of Iran), ISSN: 2008-9287, *Journal of Biodiversity and Ecological Sciences*, No.1, Issue2, pp 133 – 142.
<http://www.jbes.ir/doc/2011-v1-i2/2011-V1-I2-4.pdf>
17. Jouri, M.H., D.N. Patil & [R. S. Gavali](#), 2011. Bioclimatic investigation in plant formation in Alborz Mountain using Ordination Techniques, *Rangeland Journal of Iran*, 5(1): 9-18. ISSN 2008-0891
<http://www.magiran.com/magtoc.asp?mgID=5462&Number=17&Appendix=0&l=en>
18. Sanjay Marale, D.M. Mahajan, [R. S. Gavali](#) and Yogesh Lolage. Comparative Analysis of Noise Pollution in Pilgrimage Centers: Case study from Alandi and Dehu in Maharashtra, India (2011), *Enrich Environment*. ISSN: 0974-6064, 2011; 4(11 (2)):103-112.
http://solapuruniversity.academia.edu/RavindraGavali/Papers/1220620/Comparative_Analysis_of_Noise_Pollution_in_Pilgrimage_Places_from_Maharashtra_India

19. Anil.S.Yedage, Punam R Patekar, **R. S. Gavali**; Habitat Suitability Modeling for Great Indian Bustard (GIB) in Solapur District: A Geoinformatics Approach, 12th Esri India User Conference 2011, New Delhi, India; 2011, pp. http://esriindia.com/~media/esri-india/files/pdfs/events/uc2011/papers/NRM_UCP0011.pdf
20. Javid A Sheikh, G Jeelani and **R S Gavali**. Distribution of Emergent Macrophytes of Three Eutropic lakes from Jhansi, Bundelkhand Region, Journal of Research and Development. (ISSN 0972-5407) *ISSN 0972-5407* Vol, 11, (2011), 26-33. <http://cord.uok.edu.in/Portals/0/Javid%20A.%20Sheikh.pdf>
21. Marale S. M., Mahajan D. M., **Gavali R., S.** Rao K. R. 2012. "Evaluation of Water Quality with Waterborne Diseases for Assessing Pilgrimage Impact along River Indrayani." *International Journal of Environmental Protection* 2 (1): 8-14. doi:10.5963/IJEP0201002. ISSN: 2226-6437(Print) ISSN: 2224-7777(Online) <http://www.ij-ep.org/paperInfo.aspx?PaperID=288>
22. Jouri, M.H., DN. Patil, **R.S. Gavali** & N. Safaian, 2012. Assessment of Health Condition of Mountain Rangeland Ecosystem using Plant Diversity and Richness Indices, Case Study of Central Albroz (Iran). *Journal of Rangeland Science*, 2(1): 341-344. ISSN 2008-9996. <http://www.magiran.com/magtoc.asp?mgID=6207&Number=5>
23. Kulkarni U. D., **R. S. Gavali**, Asiya Khan. 2012. "Environmental Aspects of Flood Hazards due to the River Jhelum and its Mitigation Measures." *International Journal of Environment and Earth Sciences*, 1 (1): 1-12.
24. Khan J. A, **Gavali R. S.**, Shouche Y. S. 2012. Exploring present status of Hydrochemistry and Sediment chemistry of Dal Lake, Kashmir and effect of anthropogenic Disturbances, *Indian J. Innovations Dev.*, Vol. 1, No. 7, pp 554 – 571. ISSN 2277 – 5390 <http://www.i-scholar.in/index.php/ijid/article/view/31655/27295>
<http://ijid.informaticspublishing.com/index.php/ijid/article/view/31655/27295>
25. Yedage A, A Suryavanshi, R. S. Gavali (2013) Assessment of Pomegranate Orchard Using Remote Sensing and GIS Techniques for the Solapur District, Maharashtra. *Indian Streams Research Journal* [ISSN: 2230-7850]. Vol. 3 No. 3, pp 52-64. <http://www.isrj.net/UploadedData/2669.pdf>
26. Yedage A, R. S. Gavali, R. R. Patil (2013) Remote Sensing and GIS Base Crop Acreage Estimation of Sugarcane for the Solapur District, Maharashtra. *Golden Research Thoughts* (ISSN: 2231-5063). Vol. 2 No. 11, pp 2- 9. <http://www.aygrt.isrj.net/UploadedArticles/2408.pdf>
<http://www.oalib.com/paper/2194627#.VFSqlzSUeAE>
27. **Sheikh** Javid A., **Gh. Jeelani**, **R. S. Gavali**, **Rouf Ahmad Shah** (2014) Weathering and anthropogenic influences on the water and sediment chemistry of Wular Lake, Kashmir Himalaya. *Environmental Earth Sciences*. ISSN: 1866-6280 (Print) 1866-6299 (Online). Vol. 71, Issue 6, pp 2837-2846, **DOI** 10.1007/s12665-013-2661-z; **IF:** 1.445 <http://link.springer.com/article/10.1007/s12665-013-2661-z>
28. A.S. Yedage, **R. S. Gavali**, A.P.Jarag (2013) Land Assessment for Horticulture (Pomegranate) Crop Using GIS and Fuzzy Decision Analysis in the Sangola Taluka of Solapur District *International Journal of Remote Sensing and GIS* (ISSN 2277–9051), Volume 2, Issue 3, 2013, 104-113. <http://www.rpublishing.org/Journal/IJRSG/Vol2Issue3/rsg2303.pdf>
29. Khan J. A., **Gavali R. S.**, Panwar N., Shouche Y. S. 2014. Effect of Anthropogenic disturbances on water and sediments of Dal lake, Kashmir, India. *The Journal of Energy and Environmental Science. Photon*, ISSN 227–5390, 129, 537-558. <http://photonjournal.blogspot.in/2014/08/Effect-of-Anthropogenic-disturbances-on-water-and-sediments-of-Dal-lake-Kashmir-India.html>

30. Javid A Sheikh, Naseer A Gani, Riyaz A Baba, G Jeelani, **R S Gavali** Assessment of Nitrate levels in Groundwater's of Budgam District, Kashmir Valley, India Indian Journal of Applied Research, ISSN No 2249 - 555X, Vol.4, Issue : 11 November 2014.

<http://www.theglobaljournals.com/ijar/articles.php?val=NTEwNg==&b1=241&k=61#sthash.NliYw9pQ.dpuf>

31. Panwar N., **Gavali R.S.**, Khan J.A., 2014. Attitude and Perceptions of the Local People towards a Conservation Based Approach for Poverty Alleviation in a Semiarid region Wildlife Sanctuary, India. The Journal of Ecology. Photon 109, 414-424.

<https://sites.google.com/site/internationalindexing/home/the-journal-of-ecology>

Chapters contributed in edited books: (International - 2, Indian - 1)

32. Traditional Management of Biodiversity in India's Cold Desert. In an edited book, Conserving Biodiversity in Arid Regions: Best Practices in Developing Nations, Kluwer Academic Publishers, USA, (2003): Chapter 12, pp 217-229. ISBN: 1402074832 9781402074837.

http://books.google.co.in/books?hl=en&lr=&id=zyPZSiaHATcC&oi=fnd&pg=PA217&dq=%22R+Gavali%22&ots=T1jN8RtFkm&sig=r9Hh7ClloeZGy_zGthgcqsfBDQw#v=onepage&q=%22R%20Gavali%22&f=false

33. Management of Grazing Lands in Indian Cold Desert: A village Level Study in Spiti Valley, India. (2011). **R. Gavali**, K. G. Saxena, K. S. Rao, R. K. Maikhuri. In Global Change, Biodiversity and Livelihoods in Cold Desert Region of Asia, Ed by Saxena, K. G., Luohui Laing, Xian Xue, United Nations University (UNU)/BSMPS Publications, ISBN : 9788121107808, Chapter 12, pp 147-160.

33. Mirsanjari M. M; **R. S. Gavali**; K. N. Dhumal Strategic Planning of Ecotourism for Promoting Urban Environment (Comparison of Iran and India)- (January 2007) - *Advance Research Series: Urban Planning and Environmental Strategies and Challenges*, MacMillan Publications, ISBN: 10-230-630669, pp 12-22.

VINAYAK POPAT DHULAP

(M.Sc, NET, SET)

Assistant Professor
 Department of Environmental Science,
 School of Earth Sciences
 Solapur University Solapur
 Solapur – 413255 (MS) INDIA.
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 Email: vpdhulap@gmail.com
vpdhulap@yahoo.co.in
 Off. Ph. 0217 – 2744774 (Ext-158)
 Mobile: 07588384576

**CURRICULUM VITAE****A. GENERAL INFORMATION**

1. Name : DHULAP VINAYAK POPAT
2. Designation : Assistant Professor
3. Contact Details : Department of Environmental Science,
School of Earth Sciences
Solapur University, Solapur
Pune – Solapur Highway, Kegaon, Solapur - 413 255
4. Phone number : Mobile: 91 – 7588384576 Home: 91 - 9423892212

B. EDUCATIONAL QUALIFICATIONS

Sr. No.	Degree	University / Institute	Year of Passing
1.	NET	UGC- New Delhi.	June- 2007
2.	SET	UGC- New Delhi.	Feb- 2009
3.	Ph.D	Shivaji University, Kolhapur	Regi. 1 st Dec. 2008
4.	M.Sc	Shivaji University, Kolhapur	April – 2006
5.	B.Sc	Shivaji University, Kolhapur	April- 2004

Title of Ph.D Thesis: “Studies on the Use of Constructed wetland for the Treatment of Wastewater”.

Additional Qualification

Exam. Passed	Year of Passing	Name of the Institute awarding Certificate
GIS & Remote Sensing	Sept. 2007	MITCON Institute Pune Maharashtra.
MS-CIT	Sept. 2003	C-DAC Centre, Anuda Chambers Karad, Dist – Satara.
Diploma in Information Technology (DIT)	Sept. 2003	C-DAC Centre, Anuda Chambers Karad, Dist – Satara.

C. WORK EXPERIENCE:(a) *Teaching.*(b) *Technical***Total - 06 Years (Annexure -I)**

1. P.G: 06 Years, 08 months
(22nd Oct.2008 to till date)
1. Environmental Chemist - in SEAGULLTEC Engineering and Consultancy Pvt. Ltd. Under the X-Flow Membrane Bioreactor Technology Netherland Common Effluent

- Treatment Plant for tanneries project (July 2006 to Dec. 2006)
- (c) *Training & Administration*
1. **Training Coordinator** - in Department of Management Development Center (MDC), Yashwantrao Chavan Academy of Development Administration (**YASHADA**), **Govt. of Maharashtra**, Raj Bhavan complex, Baner Road, Pune.411007: 01 Year (Dec. 2006 to Oct. 2007).
 2. **Member** and worked on rural sanitation practices of State Level Committee, (**WSSD**) **Govt. of Maharashtra** for Evaluation of **Nirmal Gram Villages** under TSP.
- (d) *Technical & Administration:*
1. **“Project Officer”** in Environment Department, Mantralaya Mumbai **Government of Maharashtra** (Nov. 2007 to April 2008).

D. REFRESHER / ORIENTATION COURSES:

1. Orientation Courses : i) 99th Orientation Course completed in 3rd to 30th Oct, 2013 at Academic Staff College Dr.B.A.M.University, Aurangabad
2. Training course attended : i) One Month In-plant / Industrial training at Mahad Manufacturing Association Mahad (MMA) in Common Effluent Treatment plant (CETP), Mahad, Dist – Raigad (MH) India.

E. AREA OF RESEARCH:

Bioremediation, Water & Waste water management, Pollution (Air, Water, Soil) studies, EIA, Biodiversity, RS & GIS applications in Environmental Science.

F. RESEARCH PUBLICATIONS:

Sr. No.	Status of Research Paper	International Journals	National Journals	University / State level Journals	Seminar / conference Proceeding etc.	Total
A	Published	08	02	00	03	13
B	In Press	-	-	-	-	-
C	Accepted for Publications	-	-	-	-	-
D	Total	08	02	00	13	13

G. CONFERENCE ATTENDED AND PRESENTED:

- a) National Papers Presentation : 10
- b) International Paper Presentation : 09

H. REVIWER /EDITOR FOR RESEARCH ARTILCLES / MANUSCRIPTS:

- a) National : 00
- b) International : 07

I. BOOK / MANUSCRIPT PUBLISHED / CHAPTERS CONTRIBUTED: 01 (One)

Title: “Phytoremediation for wastewater management: A Root Zone Bed technology for wastewater treatment using *Phragmites karaka* species. LAP LAMBERT Academic Publishing, Germany. ISBN-10: 3846588121, ISBN-13: 978- 3846588121.

J. ARTICLES / NEWS PUBLISHED : 3 (Three)

K. AWARDS / PRIZES: Total 3 Awards /prizes

Sr. No	Name of Fellowship / Award	Name of Study Course	Duration of Fellowship
1.	Recipient of First prize in “National conference on Recent Trends in Bioresources and Bio-Sciences” for Oral / Paper presentation of Research paper.	National Conference, Murum, Dist- Osmanabad. M.H.	Mar.2009.
2	Recipient of Second prize in presentation in University Magazine of “Biodiesel: A clean ecofriendly source of future Energy.	Shivaji University, Kolhapur.M.H.	Feb. 2004
3	Recipient of First Merit prize given by Yashwantrao Chavan College of Science Karad securing highest marks in B.Sc III year examination (Cash prize)	Yashwantrao Chavan College of Science Karad, Satara.M.H.	April 2004

L. ABROAD VISITS: Bangkok in 2010 (Thailand) and Kanglung in 2012 (Bhutan)

M. INNOVATIVE CONTRIBUTION:

Design of Curriculum: Worked as sub-committee member (BOS) for designing new syllabus of P.G course in Environmental Science at R.T.M.University, Nagpur (Feb.2011)

N. EXAMINATION WORK: Examiner & Paper Setting

- | | |
|------------------------------------|------------------------------------|
| 1. Dr.B.A.M.University, Aurangabad | 2. Shivaji University, Kolhapur |
| 3. S.R.T.M.University Nanded | 4. R.T.M.Nagpur University, Nagpur |
| 5. Gondwana University, Gadchiroli | |

O. UNIVERSITY ACTIVITIES

a) Involvement in University activities: I have actively participated in various activities of Solapur University, Solapur. (Including Administration) as Member of:

1. Convocation from 2008 to till date at Solapur University, Solapur.
2. Science Day celebrations in 2009, 2010 and 2011 Sponsored by Rajiv Gandhi Science & Technology, Mumbai Dept. Govt. of Maharashtra.
3. “Avishkar” state level Science programme- 2010 at Solapur University, Solapur.
4. “AVHAN” 2011. State level Disaster management plan programme for N.S.S. organized by Solapur University, Solapur 2011.
5. National Science Day celebrations Member and coordinator for Science exhibition committee from 2010-2013.

b) Involvement in Departmental activities :Involved in Departmental purchase, Admission, Administration, Field Tours, Industrial visits and Internal and External Examinations.

P. INVITED TALKS / GUEST LECTURER:

Sr. No.	Topic	Venue	Year
1.	“Pollution Control Technologies”	BMIT polytechnic College, Solapur. (MH)	23 rd Jan. 2010.
2.	“Applications of RS,GIS and GPS”	Bapuji Salunkhe College of Arts & Commerce Karad Dist –Satara.	25 th Jan. 2010.
3.	Lecture on preparation of NET /SET exam	Organized by Dr. Babasaheb Ambedkar special B.C. cell Solapur University, Solapur	January 2010
4.	“Ozone ” Ozone day celebrations	Sinhagad Public School and College of Engineering Solapur	16 th Sept.2010
5.	“Environmental Microbiology & Biotechnology – Applications”	V. G. Shivdare college of Science, Solapur.	18 th Feb. 2011.
6.	Lecture on preparation of NET /SET exam	Organized by Dr. Babasaheb Ambedkar special B.C. cell Solapur University, Solapur	January 2011
7.	Lecture on preparation of NET /SET exam	Organized by Dr Babasaheb Ambedkar special B.C. cell Solapur University, Solapur	January 2012
8.	Lecture on preparation of NET /SET exam	Organized by Dr Babasaheb Ambedkar special B.C. cell Solapur University, Solapur	January 2013
9.	Lectures to MPSC and UPSC students on Environment	BARTI centre Solapur University, Solapur	2011
10.	Lectures to MPSC and UPSC students on Environment	BARTI centre Solapur University, Solapur	2012
11.	Lecture delivered on Environmental issues in Environmental Studies	H.C.College, R. Shelgaon, Solapur	2013
12.	Lectures to MPSC and UPSC students on Environment	BARTI centre Solapur University, Solapur	2014

Q. CONSULTANCY WORK:

- 1) Generated funds or Earned Rs. 40,000/- in the NIVA project as consultant in association with NIVA (Norway) FMR & FRCH Mumbai for the project of “Too much, too less, too bad? – Adapting to climate change impacts on water quantity and quality in the dry lands of Maharashtra, India”.
- 2) Earned Rs. 10,000/- in the VAMSI Lab Pvt Ltd, Solapur for Assessment of Mass Balance sheet of old & new products
- 3) Generated funds or Earned Rs. 35,000/- of Total 23 EIA stone crusher & quarries projects completed (8, 05,000/-).

N. CO-CURRICULAR ACTIVITIES:

- A) **Memberships:** Total 5
 - a) Life Member of Scientific Society : 01
 - b) Member of other committee: 04
- B) **Extension Work carried out:** Worked as member of University- Purchase committee, Stock checking committee, evaluation and verification of materials etc. from 2008 to till date.
- C) **Activities concerning corporate:** Organized and member of Environmental Quiz competition for Environmental awareness (Kirloskar –Vasundhara film festival in collaboration with Solapur University).

O. EXTRA CURRICULAR:

1. In 2002-2003 NCC “B” certificate with “A” grade.
2. In 2003-2004 NCC “C” certificate with “B” grade.
3. Participated in Use of Plastic and Environmental degradation Survey in Kolhapur City in January 2005 organized by Devrai and conducted by Department of Environmental Science, Shivaji University, Kolhapur.
4. In 2005 Active participation in Environmental Impact Assessment of Flood affected peoples in Panchganga River Kolhapur.
5. In 2005 Govt. of Maharashtra active participation of Evaluation and survey of “Nirmal Gram Swachhata Abhiyan” villages of Raigad and Kolhapur Districts.
6. In May 2007 Attended 4 days Awareness Programme in YASHADA on ISO 9001: 2000 certificate course.
7. In June 2007 participated in 4 days Refresher programme as Internal Auditor of ISO 9001 – 2000 in YASHADA.
8. In January 2010, participated in Avishkar Science programme Funded by Govt. of Maharashtra, organized by Solapur University, Solapur as Member.
9. In February 2010, participated in National Science Day organized by Solapur University, Solapur as Member.
10. In June 2011, participated in “AVHAN – 2011” workshop on ‘Disaster management’ organized by cell of National Social Service (NSS) Solapur University, Solapur as committee member.
11. In Jan 2012, participated as Local Organizing Committee member for 17th Int. Conf. at School of Chemical Sciences, Solapur University, Solapur. Worked in Hospitality committee and Transportation committee.
12. In July 2012 Worked as member in Organizing committee “Environmental Quiz Competition” organized by Environment Science Department Solapur University in Association with Kirloskar Ferrous Industries Ltd. Solapur.
13. In Nov. 2012, participated as Local Organizing Committee member for Int. Conf. “Emerging Trends in Chemical Sciences (ETCS)” at School of Chemical Sciences, Solapur University, Solapur. Worked in Hospitality committee and Transportation committee.

P. REFERENCES : Address of three referees**1) Prof.(Dr).Satish S. Patil**

Professor, Department of Environmental Science, Dr.B.A.M.University, Aurangabad
Mobile No: 09422707261 Email: sushshrey@rediffmail.com

2) Prof. P. Prabhakar

Director, School of Earth Science, Solapur University, Solapur. Opposite Octori Naka- Kegaon – Solapur - 413 255. Off. Ph. 0217-2744774 (Ext: 158) Mobile. – 91-9422370524 Email – geoprabhakar@gmail.com

3) Dr.R.S.Gavali

Head, Department of Environmental Science, School of Earth Science, Solapur University, Solapur, Opposite Octori Naka- Kegaon – Solapur - 413 255. Off. Ph. 0217-2744774 (Ext: 158) Mobile. – 91- 9371156628 Email – rsgavali@gmail.com

DECLARATION

The above information furnished by me is correct.

Place: Solapur (M.S.) India.

Date: 24/07/2015

Vinayak Popat Dhulap

RESEARCH PUBLICATION

(A) List of Papers / Abstracts communicated, accepted & Published in Souvenir / Abstract Book

NATIONAL:

1. B.L.Chavan., **V.P.Dhulap.**, G.B.Rasal., and M.B.Mule (Feb.2009): “Social Movement for curbing the green house gases” in National Seminar Shivaji University, Kolhapur. (M.H.) India.
2. B.L.Chavan., N.S.Sonawane., Mule M.B., **V.P.Dhulap.**, I.R.Ustad., and N.P.Sonje (Mar.2009): “Response of *Phragmites karka* to nitrogen and phosphorous” in National conference on “Recent Trends in Bioresources and Bio-Science” Murum, Osmanabad. (M.H.) India (A-67), pp. 39.
3. B.L.Chavan., N.S.Sonawane., Mule M.B., **V.P.Dhulap.**, I.R.Ustad., and N.P.Sonje (Mar.2009): “Need of Biodiversity Conservation in Western Ghats” in National conference on “Recent Trends in Bioresources and Bio-Science” Murum, Osmanabad. (M.H.) India (A-68), pp. 40.
4. B.L.Chavan., N.S.Sonawane., **V.P.Dhulap.**, Mule M.B and I.R.Ustad (Mar.2009): “Water pollution, its causes and common remedial measures in Rural India” in National conference on “Recent Trends in Bioresources and Bio-Science” Murum, Osmanabad. (M.H.) India (A-69), pp. 40.
5. B.L.Chavan., G.B.Rasal., S.H.Pawar., R.R.Patil and **V. P. Dhulap** (Feb. 2010) “Treatment of sewage with aquatic macrophyte- *Phragmites karka*” in “National Seminar on Exploration Techniques in Sustainable Management of Ground water” at Nanded (MH). (ETSMGW-10) pp- 31.
6. B.L.Chavan., N.S.Sonwane., G.B.Rasal., S.H.Pawar., R.R.Patil and **V. P. Dhulap** (Feb. 2010) “Ground water quality study of village Kasaba- Bawda in Kolhapur District of Maharashtra.” in “National Seminar on Exploration Techniques in Sustainable Management of Ground water” at Nanded (MH). (ETSMGW-10) pp- 33.
7. B.L.Chavan and **V.P.Dhulap.**, (Oct. 2012) “Extraction, Degradation and Removal of Pollutants from sewage by Macrophytes using Constructed Wetlands” National Conference on Basic research Vs Applied Research in Life Sciences. S.B.E.S. College, Dr.B.A.M.University, Aurangabad. Pp-09-10.
8. B.L.Chavan and **V.P.Dhulap** (2013). Designing and Testing of Constructed Wetland for the Treatment of Sewage by Phytoremediation with *Cana indica*. The 100th Indian Science Congress at Kolkata- Pp. 96-97.

9. B.L.Chavan and **V.P.Dhulap**. (2012) ‘Affordable Green Technology for the Treatment of Sewage through Constructed Wetland using *Colocasia esculenta* for National Conference on Recent Trends and Future Prospects in Life Sciences” (NCLS-2012). M.G.College, Ahemedpur affiliated to S.R.T.M.University, Nanded to be held on 27th & 28th Dec.2012. NCLSA -2012 (OP-75), pp. 125.
10. **V.P.Dhulap**, Jyoti Patil and Amol Jarag (2013). Impact study of Landslides on Biodiversity, using Remote Sensing and GIS technology. National Seminar on Recent Trends in Life Sciences to be held on 28th to 29th Jan. 2013. Pp.45.
11. B.L.Chavan and **V.P.Dhulap** (2013). Use of Aquatic weed (*Pennisetum purpureium*) for removal of waterborne diseases through Constructed Wetland by Phytoremediation. National Seminar on “Environmental Disaster Management for Sustainable Development” to be held in 28th March at School of Earth Sciences, Solapur University, Solapur (M.S) pp.43.
12. **V.P.Dhulap**, Jyoti Patil and Amol Jarag (2013). The use of Remote Sensing and GIS in the Sustainable Management of Biodiversity distressed by Landslides. National Seminar on “Environmental Disaster Management for Sustainable Development” to be held in 28th March at School of Earth Sciences, Solapur University, Solapur (M.S) pp.43.

INTERNATIONAL:

1. B.L.Chavan., I.R.Ustad., and **V.P.Dhulap** (Dec. 2008): “Lead content in leaves due to fall-out on trees near National Highway” in International conference on “Technologies for mitigation of Environmental pollution and their applications in conservation of Aquatic Ecosystem” organized by Dr.B.A.M.U.University, Aurangabad (M.H.) India EP-38 pp 26.
2. V.S. Jadhav., D.S.Bhalerao., **V.P.Dhulap**., P.M.Nalawade., and B.L.Chavan (Dec.2008): “Impact of stone crusher Industry dust on leaves *Calotropis procera* and *Parthenium hysterophous* in Nerli Tamngaon, District Kolhapur. in International conference on “Technologies for mitigation of Environmental pollution and their applications in conservation of Aquatic Ecosystem” organized by Dr.B.A.M.U.University, Aurangabad (M.H.) India EP-27 pp 18-19.
3. B.L.Chavan., N.S.Zambare., **V.P.Dhulap**., G.B.Rasal., and M.B.Mule (Feb. 2009): “Comparative study of nutrient concentration in earthworm – vermicomposting and Pit compost from municipal solid waste” in International Conference on Advances in Biosciences from Darwin to Dolly & Beyond, Nanded. (M.H.) India (DDBOP-101) pp.105

4. G.B.Rasal., S.H.Pawar., N.S.Sonwane., **V.P.Dhulap.**, S.L.Jadhav and B.L.Chavan (Dec. 2010) “Diversity of birds in local ecosystem of Aurangabad, Maharashtra, India” International Conference on Biodiversity, Livelihood and Climate Change in the Himalayas, Kathmandu, Nepal. (BC- 58) pp. 40.
5. N.S.Sonwane, G.B. Rasal, S.H. Pawar, **V. P. Dhulap**, S. L. Jadhav and B.L.Chavan “Air pollution tolerance indices of some selective plant species grown in Aurangabad (MH)” International Conference on Biodiversity, Livelihood and Climate Change in the Himalayas, Kathmandu, Nepal (Dec. 2010).
6. **V.P.Dhulap** and B.L.Chavan., (Jan.2012) “Phyto-Technological method for treatment of sewage through constructed wetland” 17th International Conference on Expanding Horizons in Chemical and Biological Sciences: Innovations Crossroads, Solapur University, Solapur (M.H.) (PP-81), Pp. 169.
7. B.L.Chavan and **V.P.Dhulap.**, (May 2012)”Treatment of Sewage through Horizontal Subsurface (HF) constructed wetland” Indo-Bhutan International Seminar in Advances in Environmental Sciences (AES 2012), 025 – Pp- 57.
8. B.L.Chavan and **V.P.Dhulap.**, (2012). Phytoremediation of Sewage by Constructed wetland using emergent and floating macrophytes. 2nd International Conference on “Emerging Trends in Chemical Sciences” at Solapur University, Solapur (M.H.), held on 2nd to 4th Nov.2012 (PP-04), pp. 58.
9. B.L.Chavan and **V.P.Dhulap.** (2012). ‘Treatment of Sewage by Phytoremediation with *Cana indica* using Constructed Wetlands’ for International Conference on Sustainable Water Resources Development and Management, Shivaji University, Kolhapur to be held on 20th & 21st Dec.2012. (OP-158).
10. **V.P.Dhulap** and S.S. Patil (2014).Impact study of polyculture emergent macrophytes plantation (Mix plantation) on sewage treatment using Angular Horizontal Subsurface flow constructed wetland. International Conference on Biotechnology and Bioengineering - 2014, BITS Pillani Dubai Campus, Dubai. Pp ()
11. S.S. Patil and **V.P.Dhulap** (2014). Study of microbial diversity in Angular Horizontal Subsurface flow constructed wetland for sewage treatment. International Conference on Biotechnology and Bioengineering -2014, BITS Pillani Dubai Campus, Dubai. Pp ()

(B) List of Papers / Articles / Manuscripts Published in Scientific journals, proceedings NATIONAL:

1. B.L.Chavan., Asmita Daspute., I. R. Ustad and **V. P. Dhulap** (2009) “Lead Content in Leaves due fall-out on Tree species as Bio-monitoring of Air pollution near highway” in *Journal of Advances in Pollution Research (NEA)* pp. 77-80.
2. Chavan B. L. and **Dhulap V. P.** (2012). Treatment of sewage through Phyto-Technological studies with constructed wetland using *Eichhornia crassipes*. *Journal of Environmental Research and Development (JERAD)*. Impact factor- 0.157. Vol.7 (2) 660-667.
3. Chavan B. L. and **Dhulap V. P.** (2013). Population and Sewage Load in Solapur City with reference to Social Well-Being. *Multidisciplinary Research Journal – Golden Research Thoughts*, ISSN: 2231-5063. Impact Factor: 1.2018. Vol. II (XI).01-11.

INTERNATIONAL:

1. **V. P. Dhulap.**, P. M. Nalawade., S.Chavan., B.L.Chavan and M. B. Mule (2008): “The Use of *Pharagmites karka* for Treatment of Domestic Sewage plant on constructed model plant” – Indo-Italian International Conference on “Clean & Green Environment” (GCE-2008) *proceeding*. pp. 881-890.
2. B.L.Chavan., S.H. Pawar., S.S.Lomate and **V.P.Dhulap** (2010) “Photo-catalytic treatment of Spent wash with CaO” International Conference on Environmental Science and Technology (ICEST - 2010) at Bangkok, Thailand *Proceedings of the 2010 International Conference on Environmental Science and Technology*. ISBN: 978-981-08-5716-5. Pp – 328-331.
3. B.L.Chavan and **V.P.Dhulap.**, (2012) “Treatment of Sewage through Horizontal Subsurface (HF) constructed wetland” Chapter – 4, published in *Advances in Environmental Science*. Oxford Book Company, New Delhi. ISBN: 978-93-5030-155-5. Pp. 28-32.
4. Chavan B. L. and **Dhulap V. P.** (2012). Sewage treatment with Constructed Wetland using *Panicum maximum* forage Grass, *Journal of Environmental Science and Water Resources*. *Journal of Environmental Science and Water Resource*,. *Wudpecker Research Journals*, ISSN: 22770704. Vol. 1 (9) 223 – 230.
5. Chavan B. L. and **Dhulap V. P.** (2012). Designing and Testing of Wastewater in Constructed Wetland using *Phragmites karka*, *International Journal of Multidisciplinary Research Academy (IJMRA)*, *International Journal of Physical and Social Sciences* <http://www.ijmra.us>, ISSN: 2249-5894. Vol. 2 (12) 205-211.

6. Chavan B. L. and **Dhulap V. P.** (2012). Optimization of Pollutant Concentration in sewage treatment using constructed wetland through phytoremediation, *International Journal of Advanced Research in Engineering and Applied Sciences (IJAREAS)*, *Green Field Advanced Research Publishing House (GARPH)* ISSN: 2278-6252. Vol. 1 (6) 1-16.
7. Chavan B. L. and **Dhulap V. P.** (2013). Developing a Pilot Scale Angular Horizontal Subsurface Flow Constructed Wetland for Treatment of Sewage through Phytoremediation with *Colocasia esculenta*. *International Research Journal of Environment Sciences (IRJES)*. ISSN: 2319-1414. Vol.2 (2), 6-14.
8. Patekar P.R., Patil J.M., and **Dhulap V.P.** (2014). Geo-informatics Application to Assess Impact of Landslide on Biodiversity: A Case Study. *International Journal of Advanced Forest Science and Management (IJAFSM)*, Volume 2, Issue 1, pp. 25-34, Article ID Sci-155.
9. **Dhulap V.P.** and Patil S.S. (2014a): Removal of Pollutants from Sewage through Constructed Wetland using *Pennisetum purpureum*. *Int. European Academic Research. Impact Factor. 3.1 (UIF)*. Vol. II, Issue (1).
10. **Dhulap V.P.**, Ghorade, I.B. and Patil S.S. (2014b): Seasonal study and its impact on sewage treatment in the angular horizontal subsurface flow constructed wetland using aquatic macrophytes. *International Journal of Research in Engineering & Technology (IMPACT: IJRET)* - ISSN (E): 2321-8843; ISSN (P): 2347-4599. Vol. 2, Issue - 213-224. Impact Factor (JCC): 1.5548

(C) Articles and Newsletter publication:

Edited and uploaded an electronic Newsletter on official website of ENVIS Government of Maharashtra on the topic of -

- i) *Water Resources in Maharashtra*
- ii) *Sanitation Scenario in Maharashtra*
http://envis.maharashtra.gov.in/envis_data/
http://envis.maharashtra.gov.in/envis_data/?q=fb.html and
http://envis.maharashtra.gov.in/envis_data/?q=march.htm
- 2) Published article in Marathi news paper “Daily Pudhri” on Paryavaran: Ek Sadhan Sampatti.Oct.2005
- 3) Published article in Marathi news paper “Dainik Sakal ” and “ Sanchar” on Paryavaran Vishayatil Sandhi. April 2009.

Conferences / Seminars / Symposia / Workshops Participated and Attended

Sr. No.	Name of Authors	Year	Organizing / Sponsoring Agency	Name of Symposia/ Conference & Topic /Theme	Remarks

1.	V. P. Dhulap	Feb.2005	Shivaji University, Kolhapur	National Seminar on ‘Wetlands’	Participated
2.	V. P. Dhulap	Oct. 2006	Chemical Eng. Department of Sinhgad Institute Pune.	National workshop on “Industrial water treatment”	Participated
3.	V. P. Dhulap	May 2007	YASHADA, Pune	Awareness Program / Workshop on ISO 9000 : 2000	Participated
4.	V. P. Dhulap	July 2008	Mechanical Engineering Department, MIT College, Pune.	Silver Jubilee Workshop on ‘Renewable Energy: An Overview’	Participated
5.	V. P. Dhulap	Aug. 2008	Milind College of Science Aurangabad. (M.H.)	National Seminar on “Modern Concept in Animal Biodiversity and Biotechnology”	Participated
6.	V. P. Dhulap	Feb. 2011	V. V. P. College of Engineering Solapur. (M.H.)	National Conference on Recent Developments in Renewable Energy Resources	Participated
7.	V. P. Dhulap	Sep.2011	Flagship Media Sponsor Water World VIRTUAL H ₂ O	Online course- “Green Infrastructure Opportunities & Barriers”	Participated
8.	V. P. Dhulap	Sep.2011	Flagship Media Sponsor Water World VIRTUAL H ₂ O	Online course- “Increasing Concerns Over Nutrients and Sustainability leads to New approaches to Municipal Wastewater Management”	Participated
9.	V. P. Dhulap	Jan. 2012	The Institutions of Engineers 15 Hazi Ali Park, Khadey Marg, Mahalaxmi, Mumbai (M.H.)	National Workshop on “Environmental Laws & Clearances for Construction Projects & High Rise Buildings”	Participated
10.	V. P. Dhulap	Jan. 2012	Department of Geoinformatics, School of Earth Sciences, Solapur University, Solapur	ERDAS Software	Participated
11.	V. P. Dhulap	Jan. 2012	Department of Geoinformatics, School of Earth Sciences, Solapur University, Solapur	ARC GIS & ERDAS-11 Software’s	Participated

12.	V. P. Dhulap	Feb. 2012	School of Social Sciences, Solapur University, Solapur (M.H.)	“Sustainable Forests of Western Ghats: Prospects and Challenges”	Participated
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Research Papers presented in Conferences / Seminars / Symposia etc.

- A) National Conferences / Symposia etc: 10
B) International Conferences / Symposia etc: 08

Sr. No.	Name of Authors	Year	Title of paper	Name of Symposia/ Conference	Organized Agency / Institute
NATIONAL					
1.	B.L.Chavan., N.S.Sonawane., Mule M.B., V.P.Dhulap. , I.R.Ustad., and N.P.Sonaje	Mar. 2009	“Response of <i>Phragmites karka</i> to nitrogen and phosphorous”	National conference on “Recent Trends in Bioresources and Bio- Science”	SPM college of Science Murum, Osmanabad. (M.H.) India.
2.	B.L.Chavan., N.S.Sonawane., Mule M.B., V.P.Dhulap. , I.R.Ustad., and N.P.Sonaje	Mar. 2009	“Need of Biodiversity Conservation in Western Ghats”	National conference on “Recent Trends in Bioresources and Bio- Science”	SPM college of Science Murum, Osmanabad. (M.H.) India.
3.	B.L.Chavan., N.S.Sonawane., V.P.Dhulap. , Mule M.B and I.R.Ustad	Mar. 2009	“Water pollution, its causes and common remedial measures in Rural India”	National conference on “Recent Trends in Bioresources and Bio- Science”	SPM college of Science Murum, Osmanabad. (M.H.) India.
4.	B.L.Chavan., G.B.Rasal., S.H.Pawar., R.R.Patil and V. P. Dhulap	Feb. 2010	“Treatment of sewage with aquatic acrophytes- <i>Phragmites karka</i> ”	“National Seminar on Exploration Techniques in Sustainable Management of Ground water”	S.R.T.M. University, Nanded. (MH)
5.	B. L. Chavan., N.S.Sonwane., G.B.Rasal., S.H.Pawar., R.R.Patil and V. P. Dhulap	Feb. 2010	“Ground water quality study of village Kasaba- Bawda in Kolhapur District of Maharashtra.”	“National Seminar on Exploration Techniques in Sustainable Management of Ground water”	S.R.T.M. University, Nanded. (MH)
6.	B. L. Chavan and V.P.Dhulap.	Oct. 2012	“Extraction, Degradation and Removal of Pollutants from sewage by Macrophytes using Constructed Wetlands”	National Conference on Basic research Vs Applied Research in Life Sciences	S.B.E.S. College, Dr.B.A.M.University, Aurangabad
7.	B. L. Chavan and V.P.Dhulap.	Dec. 2012	“Affordable Green Technology for the Treatment of Sewage through Constructed Wetland using <i>Colocasia esculenta</i> ”	National Conference on Recent Trends and Future Prospects in Life Sciences” (NCLS-2012)	M.G.College Ahmedpur, affiliated to S.R.T.M.University, Nanded.
8.	V.P.Dhulap , Jyoti Patil and Amol Jarag	Jan. 2013	“Impact study of landslides on Biodiversity using Remote Sensing and GIS Technology”	National Seminar on Recent Trends in Life Sciences	R.C.Shahu College Shivaji University, Kolhapur
9.	B.L.Chavan and	Mar.	Use of Aquatic weed	National Seminar on	School of Earth

	V.P.Dhulap	2013	<i>(Pennisetum purpureum)</i> for removal of waterborne diseases through Constructed Wetland by Phytoremediation	“Environmental Disaster Management for Sustainable Development	Sciences, Solapur University, Solapur (M.S)
10.	V.P.Dhulap , Jyoti Patil and Amol Jarag	Mar. 2013	The use of Remote Sensing and GIS in the Sustainable Management of Biodiversity distressed by Landslides	National Seminar on “Environmental Disaster Management for Sustainable Development	School of Earth Sciences, Solapur University, Solapur (M.S)
INTERNATIONAL					
1	V. P. Dhulap. , P. M. Nalawade., S.Chavan., B.L.Chavan and M. B. Mule	Mar. 2008	“The Use of Phragmites karka for Treatment of Domestic Sewage plant on constructed model plant”	Indo-Italian International Conference on “Clean & Green Environment” (GCE-2008)	MIT college of Eng. Pune.
2	B. L. Chavan., I.R.Ustad., and V.P.Dhulap	Dec. 2008	“Lead content in leaves due to fall-out on trees near National Highway”	International conference on “Technologies for mitigation of Environmental pollution and their applications in conservation of Aquatic Ecosystem”	Dr.B.A.M.U.University , Aurangabad. . (M.H.) India.
3	Jadhav.V.S., D.S.Bhalerao., V.P.Dhulap. , P.M.Nalawade., and B.L.Chavan	Dec. 2008	“Impact of stone crusher Industry dust on leaves <i>Calotropis procera</i> and <i>Parthenium hysterophous</i> in Nerli Tamngaon, District Kolhapur. (M.H.) India”.	International conference on “Technologies for mitigation of Environmental pollution and their applications in conservation of Aquatic Ecosystem”	Dr.B.A.M.U.University , Aurangabad. . (M.H.) India.
4	B.L.Chavan., S.H. Pawar., S.S.Lomate and V.P.Dhulap	March 2010	“Photo-catalytic treatment of Spent wash with CaO”	International Conference on Environmental Science and Technology (ICEST – 2010) at Bangkok, Thailand.	Bangkok, Thailand.
5	V.P.Dhulap and B. L. Chavan.	Jan. 2012	“Phyto-Technological method for Treatment of sewage through constructed wetland”.	17 th International Conference on “Expanding Horizons in Chemical and Biological Sciences: Inovations Crossroads” ISCBC-2012.	Solapur University, Solapur. (MH)
6	B. L. Chavan and V.P.Dhulap.	May 2012	“Treatment of Sewage through Horizontal Subsurface (HF) Constructed Wetland”	Indo-Bhutan International Conference On “Advances in Environmental Sciences” (AES-2012)	Royal University of Bhutan, Kanglung, Bhutan.
7	B. L. Chavan and V.P.Dhulap.	Nov. 2012	“Phytoremediation of Sewage by Constructed wetland using emergent and floating macrophytes”	2 nd International Conference on Emerging Trends in Chemical Sciences (ETCS)	School of Chemical Sciences Solapur University, Solapur (M.H.)

8	B. L. Chavan and V.P.Dhulap.	Dec. 2012	“Treatment of Sewage by Phytoremediation with <i>Cana indica</i> using Constructed Wetlands”	International Conference on Sustainable Water Resources Development and Management	Department of Environmental Science, Shivaji University, Kolhapur
9	S.S.Patil and V.P.Dhulap	Oct. 2014	Study of microbial diversity in angular horizontal subsurface flow constructed wetland for sewage treatment	International Conference on Biotechnology & Bioengineering (ICBB- 2014)	B.I.T and Science, Dubai (UAE)

REVIWER FOR RESEARCH ARTILCLES / MANUSCRIPTS

A. National Journals: Nil

B. International Journals:

1. Editorial & Advisory Board: International Journal of Advance and Applied Research – Bimonthly – I.F.0.889 Peer Reviewed. Link: <http://ijaar.yra.in/>
2. International Journal of Engineering and Technology – 2011
3. Elsevier Editorial System - Journal of Environment International – 2011
4. Journal of International Environmental Application & Science – 2012
5. International Journal of Social and Behavioral Sciences – 2012
6. International Research Journal of Public and Environmental Health- 2014
7. International Journal of Agricultural Policy and Research - 2014

Name of the Teacher: - Mr Suyog Pandurang Baviskar
Assistant Professor,
Department Of Environmental Science,
School of Earth Sciences,
University of Solapur,
Kegaon,Solapur,

Area of Specialization: -

Environmental Sciences, Ecology, Biodiversity, Pollution studies,
Remote sensing & GIS, Waste management, Environmental Impact
Assessment.

Paper Presented in conferences /seminars/symposium/workshop:-

1. “Physico-Chemical Assessment and Suggested Restoration Measures for Sambhaji Lake (Kambar Talav), Solapur, Maharashtra.” Presented in International Conference on “Sustainable Water Resource Development and Management” held on 20-21st December, 2012.
2. “INTEGRATION OF REMOTE SENSING IN WATER QUALITY ASSESSMENT OF LAKES IN SOLAPUR” Presented in International Conference on “Sustainable Water Resource Development and Management” held on 20-21st December, 2012.
3. “Challenges And opportunities in fuel cell energy system, Hydrogen as alternative source of fuel” Presented in International Conference on Emerging trends in chemical sciences held on 2nd -4th Nov 2012
4. “Solvent Distillation Process: A Green approach towards recovery of valuable industrial waste.” Presented in International Conference on Emerging trends in chemical sciences held on 2nd -4th Nov 2012

Research Paper Published:-

1. S. B. Bankar and **S. P. Baviskar** “Assessments of Physico-Chemical Parameters and Concentration of Heavy Metals of Ground Water (Well & Hand Pump) Located at Hotgi Village Dist: Solapur.” Golden Research Thoughts, ISSN 2231-5063, Impact Factor: 2.2052(UIF) Volume-3 | Issue-10 | April-2014.
2. M. P. Ambalgi and **S. P. Baviskar** “Physicochemical Characterization and Heavy Metal Concentration in Effluent of Textile Industry and Treatment of Effluent by using Alum.” Indian Streams Research Journal, ISSN 2230-7850, Impact Factor: 3.1560 (UIF) Volume-4 | Issue-3 | April-2014
3. **S.P.Baviskar**, J.K.Thakur, P.R.Patil, “Survey and Analysis of NGOs & Government Schemes for Environment: A Case Study of Jalgaon District” ISSN 2277 - 8721 Electronic International Interdisciplinary Research Journal (EIIRJ) Mar/April 2014

Other Activities:-

1. Co-Organizing Secretary of National Seminar on “Environmental Disaster Management for Sustainable Development” Held on 28th March 2013.
2. Coordinator of Field Excursion at Jalgaon from 11 to 18 Jan 2013.
3. Consultancy for EIA reports to various Firms & Companies.
4. Worked as Examiner for M.Sc. Practical examination in Environmental Science at S.R.T.M.University, Nanded. May, 2013.
5. In April, 2013 National level three day Conference at Physical Sciences on “Recent trends in Thin films....” worked as Local member in Local Organizing Committee.
6. Delivering lecture to the MPSC / UPSC competitive exam coaching center at School of Social Sciences, Solapur University, Solapur.
7. In Nov. 2012, participated as Local Organizing Committee member for Int. Conf. “Emerging Trends in Chemical Sciences (ETCS)” at School of Chemical Sciences, Solapur University Solapur. Worked in Transportation committee.

Curriculum Vitae



- 1. Name :** Prof. R. R. Patil
- 2. Designation :** Director, School of Earth Sciences
- 3. Educational Qualification**

Sr.No	Degree	University	Year
1	B. Sc. (Hons.) Geology	Shivaji University	1973
2	M.Sc. (Applied Geology)	IIT, Powai, Bombay.	1976
3	Pre Ph.D. course	IIT, Powai, Bombay.	1977
4	Ph. D.	IIT, Powai, Bombay.	1981

4. Contact Details

Telephone- ----- Mobile No- 9850165816 Email- prof.r.r.patil@gmail.com

5. Refresher Course :

As resource Person

Sr. No.	Year	Name of the Academic Staff College	Particular
1	30 th March - 25 th April 1992	Mysore University	Refresher Course.
2	3 rd -4 th Dec., 2000	Baroda University.	Refresher Course.

6. Orientation Course :

PARTICULAR OF ORIENTATION COURSES ATTENDED:

Sr. No.	Year	Name of the Academic Staff College	Particular
1	11 th - 22 nd Feb., 1991	WIHG, Dehradun.	UNESCO, Regional Training Course.
2	25 th Feb. - 2 nd March 2002	Indian Institute of technology Bombay.	UNESCO, Regional Training Course.
3	30 th - 31 st March 2005	Water Management and	CGWB and CGWA Training

		Rain water Harvesting. Lokmangal Wadala, Solapur District.	Program
4	5 th to 24 th Dec. 2009	Basics of Geoinformatics, Gulbarga University, Karnataka.	Training Program

7. Total teaching Experience: 27 Years .

8. Areas of Specialization : Economic Geology, Fuel Geology, Environmental Geology

9. Research Area : Ore genesis, Mineral exploration, Meteorology, Geomology, Mining,
Fluid inclusion Geothermometry.

10.Particulars of Research guidance

List of Ph.D Students Guided

Sr.No	Name of Candidate	Research Topic	Status (Awarded /Working)
1	Mr. R. Sharma	“A petro mineralogical, geochemical and fluid inclusion geothermometric study of base metal occurrence and associated rocks from parts of Garhwal lesser Himalaya”.	Awarded
2	Mr. B. S. Patil	“Structural, Petrographic and Remote sensing studies around Bewar District, Rajasthan”.	Awarded
3	Mr. D. D. Kulkarni	“Geological, Fluid Inclusion Geothermometric, Ore genetic studies around Dhukonda mine, Guntur District, Andhra Pradesh	Awarded
4	Mr. P. R. Wesnekar	“Geological, Geochronological, and Fluid inclusion thermocryometric studies of granite rocks, around Degloor, Nanded District, Maharashtra.”	Awarded
5	Mr. N. J. Sathe	“Mineralogical, Geochemical, Fluid inclusion, Petrographic and Ore genetic study of the Gold mineralization from Hutti, Raichur District, Maharashtra.	Awarded
6	Mr. K. T. Patil	“Fluid Inclusion Petrographic and Ore mineralogical studies on selective ore bearing rocks from Barshi Taluka, Solapur District, Maharashtra.”	Awarded
7	Miss. Gawade V.V	Forest management studies on western part of Kolhapur district : A Geoinformatics approach	Working
8	Miss.P.R.Patekar	Habitat suitability modeling for the Great Indian Bustard; A	Working

		Geoinformatics Approach.	
9	Mr.Surve A.A	Significance of Geological studies on Impact crator from Lonar, Buldhana Dist .Maharashtra.	Working
10	Miss.P.A. Kamble	Study of Bioremediation and Bioleaching of Rock habitats from Pandharpur Taluka, Solapur.	Working

List of M.Phil Students Guided

Sr.No	Name of Candidate	Research Topic	Status (Awarded /Working)
1	Mr. S. B. Joshi	Sedimentological & Geomorphologic studies of the coastal tract between Rajapur Creek and Deogarh Creek, Ratnageri District and Sindhudurg District, Maharashtra.”	Awarded

11.No of research papers published : 16

In national and International Journals : 10

12.No. of Books Published: 03

13.Papers presented in national Conferences: 81

14.Papers presented in International Conferences :-----

15.Research Projects: 03

16.Member of (Name of various Authorities, Bodies and Committees)

A. Member Of Professional Bodies: (National) :

1. Active member, Association of Petroleum Geologists (APG), Dehradun.
2. Member of University News.
3. Member of GIS Development.
4. Life member of Indian Institute of Mineral Engineers.
5. Member of Editorial Board Indian Stream Research Journal.

6. Life member, South Asian Association of Economic Geologists (SAAEG), New Delhi.

7. Member of Editorial Board Avishkar Journal, Solapur University.

8. Life member, Indian Geological Society of India, Bangalore.

9. Member of Mineralogical Society of India, Mysore.

10. Associate member, Geologists Association, Chandigarh.

11. Member, Earth Science Society, Calcutta.

12. Honery Member of Balaghat Geological Society, M.P.

13. Member, National Working Committee on fluid inclusion studies.

14. Life member Wadia Institute of Himalayan Geological Society, Dehradun.

15. Member, Shivaji University, P.G. Teachers association that is Branch of MGUCTO and AIFUCTO.

16. Executive Member of Geoforum, Association of Geologists and Hydrologist, Aurangabad.

17. Member of Solapur University P.G. Teachers Association.

17. Member of Editorial Board:

- a. Member of editorial board Indian stream research journal.
- b. Member of editorial board Avishkar Journal, Solapur University, Solapur.
- c. Life member, South Asian Association of Economic Geologists (SAAEG), New Delhi.
- d. Life member of Indian Institute of Mineral Engineers
- e. Active member, Association of Petroleum Geologists (APG), Dehradun
- f. Life member, Indian Geological Society of India, Bangalore
- g. Associate member, Geologists Association, Chandigarh.
- h. Member, Earth Science Society, Calcutta
- i. Honorary Member of Balaghat Geological Society, M.P.
- j. Member, National Working Committee on fluid inclusion studies
- k. Life member Wadia Institute of Himalayan Geological Society, Dehradun.
- l. Executive Member of Geoforum, Association of Geologists and Hydrologist, Aurangabad.

18. Positions held:

1.	Director	Director & Head Geology School of Earth Science Solapur University 2007 – till date.
2.	Founder Director Board of College and University Development	Solapur University, Solapur. 2004-2007.
3.	Professor & Head Geology	Solapur University, Solapur. 2004.
4.	Head, Dept. Of A.I.H.C. & A.	Solapur University, Solapur. 2004.
5.	Head, Dept. Of Museology	Solapur University, Solapur. 2004.
6.	Head, Dept. Of Tourism	Solapur University, Solapur. 2004.
7.	Head, Dept. Of A.I.H.C. & A.	Shivaji University, P. G. Centre, Solapur. 2002-2004.
8.	Head, Dept. Of Museology	Shivaji University, P. G. Centre, Solapur. 2002-2004.
9.	Head, Dept. Of Tourism	Shivaji University, P. G. Centre, Solapur. 2002-2004.
10.	Professor & Head Geology	Shivaji University, P. G. Centre, Solapur. 2002-2004.
11.	Professor in Geology	Shivaji University, Kolhapur. 1996 onward.
12.	Reader	Shivaji University, Kolhapur. 1987-1996.
13.	Reader & Head of Department Geology	Shivaji University, Kolhapur. 1987-1989.

19.Awards and Rewards:

1.	M.Sc. Merit Scholarship Awardee, in IIT Powai Bombay, 1974-76.
2.	Junior Research Fellowship in IIT Powai Bombay, 1977-79.
3.	Senior Research Fellowship in IIT Powai Bombay, 1979-80.
4.	Scientist in W.I.H.G., Dehradun. (DST Govt. of India) 1980-85.
5.	Regional Representative of India for Coffi under the aegis of IAGOD 1985. (International association of genesis of Ore deposits, Washington DC USA)
6.	Senior Scientist in W.I.H.G., Dehradun. (DST Govt. of India) 1985-87.

20.Abroad Visits:

21.Other Activities : SCIENTIFIC CONTRIBUTIONS TO SCIENCE:

Prof. R. R. Patil has actively contributed to the knowledge in earth science from last 32 years after his Ph.D. from IIT, Powai, Mumbai. His noteworthy worked has being praised by scientist working on economic geological, environmental, fuel geological aspect and also by those working on hazards management, resource management and gem testing. Due to his participation in National and International Seminars and worthy contribution only he has widely invited by reputed central government organization and private sector like ONGC ; Dehradun, NGRI; Hyderabad, IISC; Banglore, NRSA; Hyderabad, IIT, Powai,, Mumbai, IIT, Roorkee, Kharagpur, ISM; Dhanbad and Regional Engineering college, Raipur, Chattisgarh to participate in discussions.

He has collaboration with Gharwal University, Srinagar, M. S. University, Baroda. Sukhadia University, Udaipur. Karnataka University, Dharwad. Osmania University, Hyderabad. IIT's from India and Pune University for Ph.D. Thesis evaluation.

PROF. R. R. PATIL'S NOTEWORTHY CONTRIBUTIONS ARE:

- **IIT Powai, Mumbai:**

During his stay in IIT Powai, Mumbai as a research associate in DST funded project he has fabricated a microscope heating stage a crushing stage, which are items of important substitution and were appreciated by all. He acquired research data using these indigenously units for this Ph.D. work submitted to IIT, Mumbai in 1980.

Prof. Patil has brought out vital information on nature of crystallization of Calcite and associated secondary minerals from Deccan trap and also contributed to nature of mineral forming media responsible for famous Khetri copper deposits of Rajasthan. His Ph.D. work served Hindustan Copper Ltd. Organization to plan for strategy and exploratory decisions.

- **WIHG (Research Inst. Govt. of India), Dehradun:**

Working as Scientist of reputed international recognized research institute devoted for Himalayan Geological studies Prof. Patil has contributed to mineral wealth of Lesser Higher and Trance Himalaya. Due to him a well developed fluid inclusion laboratory was set up in Wadia Institute of Himalayan Geology. He along with Dr. K.K. Sharma organized in his department 2 successive training programs for military officers on Determinative Mineralogy. Along with Director V. C. Thakur he organized 2 programs for SAARC country participants (Pakistan, Srilanka, Afganistan, Nepal and Bhutan) on structural geology by acquiring fund from UNESCO. In Dheradun he worked on Askot mineralization, Himachal Pradesh; Darabi Mineralisation, Jammu-Kashmir; Sikkim Rangpo Mineralisation, Sikkim and Satlez and Puga valley Bamsu – Chandrapuri area, Chamoli District and Tehri District. Prof. Patil had developed collaboration with ONGC, FRI, IIRS and IIP Scientists from Dehradun and participated in seminars and Discussion organized by these institutes. He had academic linkage with Universities like Garhwal, Chandigarh, Srinagar, Jammu, Nainital, M.S. University, Baroda, Mysore University, Banglore University, Madras University, Delhi, JNU, BHU, jadhavpur, ISM Dhanbad, Raipur University, Roorkee, Udaipur, Alligarh and Allahabad in addition to IIT's from Powai, Kharagpur, Kanpur.

- **Shivaji University, Solapur P. G. T. C.**

Prof. Patil after joining Shivaji University concentrated his effort in establishing research laboratory with DST funds in addition to his academic responsibilities. The equipments set upped in his laboratory permits one to simulate the temperature, pressure conditions of the earth at the time of mineral formation and subsequent cooling. The

noteworthy phase changes observed during heating/freezing help in to fingerprint the environment of the deposition of the ore mineral or that of crystallization of gem minerals.

With the help of his active team of research scholars he has contributed to

1. Search of gem minerals
2. New find of Copper occurrences from Karmala and Barshi Taluka.
3. Precious metal occurrences from Mohol and Chadchan Taluka.
4. Atomic Minerals from Mangalwedha.
5. Silver mineralization from Mohol and Madha Taluka

On the basis of these new finds he has published papers in International seminar and has been consulted by organization like Hutti Gold Mines, Karnataka, Hupari Silver Industrial association for his Guidance in quality improvement of their ores.

Prof. Patil's main contribution to earth sciences is that he has confidently put fourth theory of 'Deccan Trap as a potential ore bearing rocks' which is being accepted in due course.

His suggestion on Gold ore tailing to Hutti Gold mine limited has changed their outlook to save GOT from selling as fertilizer at throw away price of 6 Rs/Kg and to consider it as a potential ore of Platinum Group of Elements.

Prof. Patil's views on persistence of Uranium and Thorium bearing rocks in Bhima basin are being verified and supplemented by analysis from BARC. His work along with his team has shown existence of PGE group of elements from Sindhdurga District of Maharashtra. He has positive results from Chadchan Taluka, Bijapur and South Solapur, Mangalwedha Taluka for Gold, Mohol and Madha Silver and Barshi, Karmala, Osmanabad for Copper occurrences. His suggestion to Hupari Silver Industries will definitely improve their extraction metallurgy from ores they refine.

During his research activities Prof. Patil has carried out research on Bewar District, Rajathan; Dhukonde Mine, Guntur District, Andhra Pradesh; Degloor, Nanded District, Maharashtra; Ingaldhallu, Chitradurg District, Karnataka; Barshi Solapur District, Maharashtra; Hutti, Raichur District, Karnataka; Sandur, Bellary District, Karnataka; Karmala, Solapur District, Maharashtra; Lonar lake, Buldhana District, Maharashtra; Shahuwadi Taluka Kolhapur District, Maharashtra; Rajapur Creek and Deogarh Creek, Ratnagiri District, Sindhudurg District, Maharashtra and Halhalli, Chadchan Taluka, Bijapur District, Karnataka. He lead from Directorate Geology and Mining of Maharashtra State to Karmala, Begumpur and Mangalwedha helped them to collect representative samples of ore in 2005 and 2007. He has also identified gem quality

crystals, from quarries of Mangalwedha. His contribution to mineral prospecting for zeolites and gemstones from virgin areas of Mangalwedha are well known.

As a Head of Self Supporting Courses:

Prof. Patil as a head enriched self supporting courses like M.A. AIHC and A, Post graduate diploma in Tourism and Post graduate diploma in Meuseology.

He initiated collaborative studies on Bhima basin with the Deccan College and AIHC and a department to excavate historical remains. They have brought out after their excavation work the remains Satvahan Period like bangles, beads, ideals, bones and potteries. They have also successfully excavated house remains and foundation structures of temple from the Mudvi and Siddhapur vergin area, which is first edition to the knowledge of archeologists.

The tourism day was celebrated in the P. G. diploma department during which the exhibition of the research finds and the teachings models where exhibited for the benefit of the students from school and Jr. College from the Solapur District. The students along with their teachers and the citizen appreciated this exhibition.

He has ably organized and set a museum were in all the archeological and Geological remains have been preserved and mounted in a organized way in two separate halls. This museum has various types of rocks, minerals, fossils and geomorphological studies.

He organized excavation in Mudhavi and Sidhapur with Dr. Shinde and Dr. Nikenaware in March 2003-04.