

Detailed Bio-Data of Dr. S.F.R.KHADRI

Name: SYED FAJAL RAHIMAN KHADRI
Designation: Professor and Head & Director, IQAC
Department: P.G. Department of Geology
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Link Biodata: http://sgbau.ac.in/cv_khadri_final.pdf

Date of birth: 13th April 1962

Educational qualifications:

Degree	Institution	Field(s)	Year	Division/Rank
B.Sc.	AndhraUniversity, Waltair,	Geology, Physics & Chemistry	1980	First
M.Sc.	AndhraUniversity, Waltair,	Geology	1982	First Rank with Distinction & Gold Medal (75%)
Ph.D.	I.I.T. Mumbai	Geology and Geophysics	1989	First Rank in coursework (8.69 CPI)
Basic Information Technology skills	University of London, U.K.	Windows XP, MSOffice, PM6.5 E-Mail, Liberta, Word perfect.	1995	Pass
College certificate in computer appl.	University of London, U.K.	Computer Programming and Scientific computing skills	1995	Pass

Research/training/teaching and administrative experience:

Duration	Institution	Designation	Nature of work done
08.08.1983 to 08.12.1993	NGRI, Hyderabad	Scientific Assistant	Geochemical analysis of rocks & minerals with XRF, AAS methods
15.12.1983 to 31.08.1987	IIT, Mumbai	Senior Project Assistant (NSF)	Geological, chemical, stratigraphic and Palaeomagnetic work
07.05.1984 to 09.07.1984	King's college London, UK	Research Scientist	Geochemical analysis of rocks to with ICPS & AAS techniques
01.09.1987 to 29.01.1989	IIT, Mumbai	SRF (CSIR)	Petrochemical and Palaeomagnetic work
01.07.1992 to 01.07.1994	IIT, Mumbai	Visiting Associate of UGC, New Delhi	PDF on Petro-chemistry and Palaeomagnetism of Malwa Traps
30.12.1994 to 11.11.1995	Royal Holloway University of London, UK	Commonwealth Academic Staff Fellow	PDF on stratigraphic, petrochemical and palaeomagnetic correlations of Malwa & Western Ghat
30.5.2000 to 05.8.2000	Royal Holloway University of London U.K.	Post-doctoral Fellow	PDF on Geochemistry, petrology and petrogenesis of Deccan traps and Northern Ireland Basalts
30.01.1989 to 11.12.96	Vikram University	Senior Lecturer in Geology	Teaching & guidance of M.Sc., M.Sc (Tech), M.Phil and Ph.D.
11.12.2004-12.12.2004	Amravati University	Reader and Head	Administration, Teaching & Research
12.12.2006 till date	Amravati University	Professor and Head	Administration, Teaching & Research
12.2.2001 to 3.7.2006	Amravati University	In-charge, CIC	Research, develop. & administration
15.5.2007 to 16.7.2007	IPGP, Paris, France	Invited Researcher	Palaeomag. & Deccan emplacement
5.6.2007 to till date	Amravati University	Coordinator	Innovative Program of P.G. Diploma Watershed Tech. and management
1.4.2013 to 31.3.2018	Amravati University	Coordinator	Innovative Program of P.G. Diploma Remote Sensing. and GIS
21.11.2014 to till date	SGB Amravati Uni	Director, IQAC	To co-ordinate the forth coming NNAC activities of the University

Ph.D. Title: "Flow Stratigraphy, Geochemistry and Palaeomagnetism of a part of Western Deccan Basalt Province, Maharashtra, India."

Research Specialization: Igneous Petrology, Geochemistry, Palaeomagnetism, GIS applications, Stratigraphy, Remote Sensing, Hydrogeology, Water Resources and Environmental Management.

Research Contribution:

Established the detailed flow stratigraphy, geochemistry and palaeomagnetism of 1650m thick basaltic lava pile in the Western Deccan Basalt Province and Malwa Traps for the first time using extensive field mapping of 4000sq.km. physiographic signatures, geochemical analysis of major, trace and rare earth elements for 1000 samples and palaeomagnetic analysis for 2000 specimens along with computer aided statistical techniques. Successfully completed a course in advanced analytical techniques using ICP and AAS at King's college, University of London, UK with British Council's Fellowship. Prepared detailed geological maps of Western Ghats and Malwa Traps. Carried out petrogenetic modeling and proposed various models for the petrogenesis of the Deccan Basalt Province and recognized a large-scale southerly plunging anticlinal structure. A part of this work is published as 3 research papers in Memoir no: 10, Deccan Basalts, Jour. Geol. Soc. India, 1988.

Successfully completed Commonwealth Academic Staff Fellowship for one year in 1995, PDF for 2 months in 2000 at the Royal Holloway, University of London, Invited as "Invited Researcher" for two months in 2007 at the Palaeomagnetic Laboratory, IGP, Paris, France and Visiting Associate of UGC at IIT, Mumbai in the fields of Geochemistry, Petrology, Petrogenesis and Palaeomagnetism. Established stratigraphic correlation of Western Ghats and Malwa Trap sequences and proposed petrogenetic models for Deccan Traps. A part of this work is published as 2 research papers in memoir no: 43, West volume, Jour. Geol. Soc. India, 1999. At present actively engaged in establishing the flow stratigraphy, petrogenesis and palaeomagnetism of Central Deccan Traps and to correlate the stratigraphic sequence with other parts of Deccan Traps. Successfully completed UGC sponsored SAP of 22 lakhs on petrology and palaeomagnetism of Deccan Traps and established geochemical and palaeomagnetic laboratories at Vikram University, Ujjain and SGB Amravati University, Amravati with collaboration from IIT and TIFR, Mumbai.

Successfully completed two DST, one ICAR and three UGC sponsored major research projects on Deccan Traps. A part of this work was published as two research papers in memoir no: 29, Geol. Soc. India, 1994 and Bull. Geol. Association, 1993. At present actively engaged in UGC project on Central Deccan. Successfully guided 14 Ph.Ds. 5 M.Phil. 10 M.Sc. (Tech.) and 120 M.Sc students and presently guiding 8 Ph.D. students in stratigraphy, petrogenesis, water resource management, Remote sensing and GIS and environmental management.

Successfully established the international research collaboration with Professor Vincent. Successfully established the international research collaboration with Professor Gerta Keller and Dr. Blair Schoene from the Department of Geosciences at Princeton University, USA, Professor Samuel Bowring from Massachusetts Institute of Technology, USA and Professor Thierry Adatte from Lausanne University, Switzerland has recently published their research findings in the International journal "Science" with **five year Impact factor of 34.40** on 9 January 2015: Vol. 347 no. 6218 pp. 182-184, along with 33 pages additional supplementary material published by Science, DOI:10.1126/science.aaa0118. This research was funded in part by the National Science Foundation, USA.

Recently established research collaboration with Oil and Natural Gas Commission (ONGC Ltd.) Krishna Godavari Basin, Rajahmundry Asset and submitted research project entitled "Stratigraphy, geochemical and geochronological studies of the Deccan Basalts in K-G Basin and to correlate with the Western Deccan Basalt Province" to ONGC with an out lay of Rs.30 Lacs

Awards/prizes/certificates/recognition etc. won:

- (a) Awarded **First Rank with Distinction and Gold Medal** in M.Sc., Geology from Andhra University, Waltair (A.P.)
- (b) Awarded British **Council's Fellowship** in 1984 for training and research work in **analytical geochemistry with ICP and AAS** techniques at King's college, **University of London, U.K.**
- (c) Awarded **SRF** by the **NSF, USA; CSIR, New Delhi and IIT, Bombay** and established flow stratigraphy, geochemistry and palaeomagnetism of Western Deccan Basalts at IIT, Bombay.
- (d) Received "**ISCA Young Scientist Award**" by the Indian Science Congress Association, Calcutta in 1991 & "**M.P. Young Scientist Award**" by M.P.CST, Bhopal in 1990.
- (e) Awarded "**SERC Young Scientist Research Project**" by the DST, New Delhi worth 2.73 lakhs on Malwa Deccan Traps from 1991-94 and successfully completed as PI.
- (f) Awarded "**Visiting Associateship**" by the UGC, New Delhi for two years from 1992-94 to carry out PDF in stratigraphy and palaeomagnetism of Western Ghats at IIT, Bombay.
- (g) Awarded "**Commonwealth Academic Staff Fellowship**" by the ACU in United Kingdom for PDF to establish stratigraphic and palaeomagnetic correlations of Western Ghats and Malwa Traps at the **Royal Holloway University of London, UK** for one year in 1995.
- (h) Awarded the Special Assistance Programme (DRS) by the UGC, New Delhi to establish advanced Palaeomagnetic and Geochemical laboratories with a cost of **22 lakhs**.
- (i) Fellow and life member of Journal Geological Society of India (F.No:1027), Association of Global Groundwater Scientists (LM-AGGS-027), Gondwana Geological Society (), Indian Science Congress Association (), Association of Hydrologists of India (214-504), Indian society of Remote Sensing (L-1714), Association of Geoscientists for International Development (AGID) (), Journal of Earth Sciences (), Indian Geological Congress (LM332), Mineralogical Society of India (LF No: 127), Nagpur University Teachers Association (), Geological Association and Research, Central Balaghat (HF-217)
- (j) Member Board of studies in Geology, Faculty of Science, Doctoral Research Committee, National Science Day Celebration Steering Committee, Chairman - Subject examination committee, Chairman - Central Admission Committee and Moderation Committee of the Sant Gadge Baba Amravati University, Amravati.
- (k) Successfully organized refresher course in Geomorphology and remote sensing for Geology and Geography faculty from the University and colleges from 6th April to 29th April, 1998 sponsored by Government of Maharashtra.
- (l) Established international research collaboration with Dr. J.N. Walsh from Royal Holloway University of London, UK, Prof. Paul Lyle from University of Ulster, Northern Ireland, UK, Prof. Vincent Courtillot, Director, and Prof. Frédéric Fluteau from IGP, Paris France and Prof. P.R. Hooper from Washington State University, Pullman, USA for the last 22 years and with Prof. L.G. Gwalani, Visiting Professor, Geology Dept, University of West Australia for the last 3 years.
- (m) Successfully completed 2 MRP of DST, SAP of UGC at Vikram University, Ujjain, one of ICAR and one of UGC and two minor projects of UGC unassigned grant. At present one major project sponsored by the UGC, New Delhi is in good progress.
- (n) Successfully underwent training programme on "Applied Geologic Remote sensing" at Anna University, Chennai by UNESCO for 15 days during March 2001.
- (o) Established Consultancy cell in water resource management, dam site selection and environmental management for generating financial resources.
- (p) Established advanced rock-magnetic and Palaeomagnetic research laboratories in collaboration with TIFR and IIT, Mumbai which can cater the needs of research scholars and faculty members at Ujjain and Amravati.

- (q) Awarded PDF from the Royal Holloway University of London, United Kingdom in 2000 for two months for post-doctoral research work on Deccan Traps and also to analyze 2000 rock samples from Deccan Traps and Northern Ireland Basalts with ICP and AAS techniques.
- (r) Successfully coordinated DST, New Delhi Project Advisory Committee meeting at Amravati University, Amravati during 1³th-1⁴th September 2001.
- (s) Successfully headed Central Instrumentation Cell of the Amravati University as the Founder In-charge for 4½ years from 12.2.2001-3.7.2005.
- (t) Successfully running two extension activities under TRDEA approved by MC on (1) water resource development of rural part of Amravati region (2) Groundwater quality testing of the highly populated slums of Amravati City.
- (u) Received “**Best Teacher Award**” from the Amravati University in 2003 as a recognition of excellent teaching, research and extension services.
- (v) Awarded certificate of appreciation for organizing the “Aswamegh Sports Festival” as member of Invitation Committee during 28-31 December 2003.
- (w) Awarded certificate of appreciation for successfully organizing National Science Day 2005 as Convener of Nurturing Scientific temper committee.
- (x) Successfully completed 200-hour full time course on “Training of Teachers in e-Learning” at DOEACC Center, Aurangabad, during 8th August to 5th September 2005 sponsored by Deptt. of IT, Ministry of CIT, Govt. of India.
- (y) Successfully completed e-Learning certificate course on Comp TIA A+ Networking by Mind Leaders, USA. on 17th August, 2005.
- (z) Participated in the International Workshop on “Geo-science Network (GEON) Cyber Infrastructure at Hyderabad between 24-27 October 2005
- (aa) Participated in the International conference on “Environmental Geosciences” during 15-16 Feb.2006 at Anna University and presented two papers.
- (bb) Successfully completed Post-doctoral Fellowship as Invited Researcher to carry out research on Palaeomagnetism and emplacement of Deccan traps for two months (15.5.2007 to 16.7.2007) at Laboratoire de Palaeomagnetism Institut de Physique du Globe de Paris, Université Paris 7, France.
- (cc) Participated in the group discussion meeting on Deccan Flood Basalts- Lava tubes and Tunnels organized by the Geological Survey of India at Pune sponsored by the DST, New Delhi from 29-31 January 2006.
- (dd) Attended the interface meeting of the UGC, New Delhi regarding the Career oriented programme at Gujarat University, Ahmedabad on 21.2.2006.
- (ee) Actively participated in the National Science day celebrations 2006 as the convener of Film show committee of during February-March 2006.
- (ff) Participated in the group discussion meeting on environmental Indian Dykes at BHU, Varanasi during 18-19 March 2006 and presented 1 research paper.
- (gg) Invited as Resource Person for Technical Training of Geoscientists under the Aquifer water Management Pilot, Jalswarajya Project of Groundwater Surveys and Development Agency, Pune, Government of Maharashtra.
- (hh) Participated in the SPSS Faculty Development Programme organized by SPSS and Department of Statistics, SGB Amravati University during 27th September and 10th and 11th October 2006 and again for 3 days in 2007.
- (ii) Participated in the International conference on “Hydrology and Watershed Management” held during 5-8 December 2006 at the Centre for Water Resources, IST, JNTU, Hyderabad and presented four research papers.
- (jj) Participated in International Workshop on “Digital Governance and Hotspot Geo-informatics for monitoring, Etiology, Early warning and Sustainable Management” held during 11-22 Dec.2006 at JalsRI Watershed Surveillance Research Institute, M.J.College, Jalgaon and presented two research papers.
- (kk) Participated in International Satellite training Programme on “Remote Sensing and GIS” by Dr. Wayne Myers, Prof. of Biometrics, School of Forest Resources and Co-Director of Remote Sensing of Earth Resources, Environ. Research Institute, Penn State University, USA during 23-26 Dec.2006 at Jalgaon.

- (ll) Chairman, Publicity and Report Committee, ICR Festival “Avishkar-2006” on “Protection of Environment and Wild Life” from 29th to 30th Dec. 2006.
- (mm) Participated the interface meeting of the UGC, New Delhi regarding the “Career oriented programme” at UGC, New Delhi on 11.1.2007.
- (nn) Participated in 3rd International Groundwater conference (IGC-2007) on “Water, Environment and Agriculture-Problems and Challenges” during 7-10 Feb.2007 at TNA University, Coimbatore and presented 3 research papers.
- (oo) The Secretary General, Institut de Physique du Globe de Paris, France has invited as “Invited Researcher” for collaborative research on Palaeomagnetism and emplacement of Deccan for 2 months at IPGP, Paris, France.
- (pp) Awarded Innovative Programme on “P.G. Diploma in Watershed Tech. and Management” for 5 year(2007-12) as coordinator with an outlay of 65 Lakhs.
- (qq) Chairman of the XI Plan Co-ordination Committee of UGC for the SGB Amravati University constituted by the Hon’ble Vice-Chancellor.
- (rr) Participated in International Workshop on “Surveillance Hotspot Geo-informatics and digital governance” during 16-23 Dec. 2007 at Watershed Surveillance Research Institute, Jalgaon and presented three research papers.
- (ss) Underwent training in the International Workshop on “GIS and Landscape analysis” conducted by Professor Wayne Myers, Director of Biometrics and GIS Remote sensing, Penn State University, PA, USA with hands on training and practical inputs from various case studies during 10-14 March. 2008 at the Watershed Surveillance Research Institute, Jalgaon
- (tt) Underwent training in the International Workshop on “SWAT Analysis” jointly conducted by Professor Chris George, Director, International Institute of Software Technology, United Nations University, Macao, SAR, China and Dr. A. K. Gosain and Dr. Sandhya Rao from IIT, Delhi with hands on training and practical inputs from case studies 17-21 March. 2008 at Watershed Surveillance Research Institute, Jalgaon.
- (uu) Member, teaching departments building inauguration committee of the Sant Gadge Baba Amravati University, Amravati
- (vv) Chairman of the UGC XI Plan coordination committee of the Sant Gadge Baba Amravati University, Amravati and Chairman of the Physical Sciences presentation committee.
- (ww) Received certificate of appreciation from the Hon’ble Vice-Chancellor on the eve of World Environment Day (5th June 2008) regarding the Shramadan activity carried out under the guidance of the Hon’ble Vice-Chancellor for the watershed management and maintaining the University campus clean and environmental friendly.
- (xx) Successfully organized the XI plan committee’s visit as the Nodal Officer of the UGC XI Plan expert committee of the Sant Gadge Baba Amravati University, Amravati.
- (yy) Coordinator of the Amravati JalaSRI and also founder member of Jalgaon JalaSRI in collaboration with Dr.G.P.Patil from Penn State University, USA.
- (zz) Participated in the International Conference on “Water, Energy, Environment and Society” organized by the Indian Institute of Hydrology, Roorkee and Ministry of Water Resources, Govt. of India at Indian Agricultural Research Institute, New Delhi during 12-16 January 2009 and presented 3 research papers.
- (aaa) Received certificate of appreciation from the Hon’ble Vice-Chancellor on the eve of World Environment Day (5th June 2009) regarding the Shramadan activity carried out under the guidance of the Hon’ble Vice-Chancellor for the watershed management and maintaining the University campus clean and environmental friendly.
- (bbb) Participated in the one day workshop on Lighting for rural and urban low income groups using LEDs organized for the teachers of Science and

- Engineering faculties of Sant Gadge Baba Amravati University on 3rd October 2009.
- (ccc) Participated in the one day training programme for the teachers of Science and Engineering faculties of Sant Gadge Baba Amravati University on 8th August 2009 under the National Mission on Education, MHRD.
- (ddd) Participated in the “Total Solar Eclipse-09” Workshop during 13-14 June 2009 organized at Department of Mathematics sponsored by UGC in technical collaboration with SPACE, New Delhi.
- (eee) Participated in the International workshop on “Digital Governance and Hotspot Geoinformatics” from 1-3 June 2009 at TERI University, New Delhi.
- (fff) Successfully completed “Water Management Training Programme” organized by the Central Groundwater Board on 25-26 February 2009 in Amravati.
- (ggg) Awarded certificate of appreciation for rendering valuable services as a Convener of prize distribution committee for the smooth conduct of Inter University Research Festival, Avishkar during 8-10th January 2009.
- (hhh) Dr.Khadri has research collaboration with Museum national D’Histoire Naturelle, Paris ,France from 2009 as a part of which, a basalt sample from Deccan Traps has been sent to Paris and also displayed in the Paris Museum during the World Exhibition “Death of the Dinosaurs” during 2010-2011.
- (iii) Successfully completed the GIS training programme on Introduction to Arc GIS from 23rd to 24th November 2010 organized by ESRI, New Delhi.
- (jjj) Delivered **two invited lectures** on Remote sensing and GIS applications in Natural resource management and Water resource management for sustainable development at the UGC sponsored Academic Staff College, Amravati during 3-29th January 2011.
- (kkk) Actively participated in one day seminar cum workshop on personality development on 8th April 2011 organized by Swami Vivekananda Studies Centre, SGBAU, Amravati.
- (lll) Delivered **one invited lecture** on Groundwater in Deccan Basalts of the Bokad river basin, Burhanpur district, MP at the UGC sponsored National Seminar on Emerging trends in scientific research at Durg during 11-12th October 2011.
- (mmm) Successfully **chaired** 4 Technical sessions on 1. Earthquake engineering 2. Water environment Transportation Engineering 3. Remote sensing and GIS, 4. Geotechnical Engineering in the International Conference on Advances in Civil Eng., ACE, 2011 held during 21-23 October 2011 at KL University, Guntur.
- (nnn) Successfully **chaired** a technical session on the theme VI Groundwater management issues/options and policies in the fourth International groundwater conference held at Yadava college, Madurai from 27-30th September 2011 on “Impact of climate change on groundwater resources with special reference to hard rock terrain.
- (ooo) **Chairman** of the Central Admission Committee, 2012 of the Sant Gadge Baba Amravati University, Amravati for the academic session 2012-13.
- (ppp) Published four abstracts of research papers in the National Conference held at Kumaun University, Nainital during 10-12 March 2012.
- (qqq) Participated in the UGC sponsored short term course in workshop on ICT for Professors at Academic Staff College, Amravati during 26-31 March 2012.
- (rrr) Participated in the workshop on ERP Mission at Shri Shivaji Science College, Amravati during 25-26th February 2012.
- (sss) Successfully participated in the workshop on “Personality development and concentration” at Buddhist studies Centre, SGBAU, Amravati) during 21-22 March 2012.
- (ttt) Successfully delivered **two invited lectures** as the resource person 1. Water resource Management, 2. Applications of Remote sensing and GIS and also evaluated Research Project Proposals in the 14th Orientation courses and conducted by the Academic Staff College of the SGB Amravati University during 21st February – 16th March 2012.

- (uuu) Successfully delivered **two invited lectures** as the resource person on 1. How to prepare a successful Research Project Proposal, 2. Water resource Management for sustainable development and also evaluated Research Project Proposals in the 15th Orientation courses and conducted by the Academic Staff College of the SGB Amravati University during 3rd -26th March 2012.
- (vvv) Participated in the UGC sponsored short term course in workshop on “Academic Performance Indicators” held at Academic Staff College, Amravati on 23 June 2012.
- (www) Dr. S.F.R.Khadri has successfully completed UGC Sponsored Innovative Programme with an out lay of Rs. 64.84 Lakhs
- (xxx) Successfully delivered **two invited lectures** as the resource person on 1. How to prepare a successful Research Project Proposal, 2. Water resource Management for sustainable development and also evaluated Research Project Proposals in the 15th Orientation courses and conducted by the Academic Staff College of the SGB Amravati University during 3rd -26th March 2012.
- (yyy) Successfully delivered **two invited lectures** as the resource person on 1. How to prepare a successful Research Project Proposal, 2. Water resource Management for sustainable development and also evaluated Research Project Proposals in the 16th Orientation courses and conducted by the Academic Staff College of the SGB Amravati University during 16th July - 13th August 2012.
- (zzz) Successfully delivered **two invited lectures** as the resource person on 1. How to prepare a successful Research Project Proposal, 2. Water resource Management for sustainable development and also evaluated Research Project Proposals and **two invited lectures** on Introduction to Earth Sciences and Watershed management in the 17th Orientation courses and conducted by the Academic Staff College of the SGB Amravati University during 22nd August-18th September 2012.
- (aaaa) Successfully delivered **two invited lectures** as the resource person on 1. How to prepare a successful Research Project Proposal, 2. Water resource Management for sustainable development and also evaluated Research Project Proposals in the 18th Orientation courses and conducted by the Academic Staff College of the SGB Amravati University during 24th September -22nd October 2012.
- (bbbb) Successfully participated as mentor of DST, New Delhi for the INSPIRE Award programme held at Shri Samarth High School, Amravati during 2012
- (cccc) Successfully coordinated **Refresher course on Environmental sciences** at the Academic Staff College, SGB Amravati University, Amravati for University and College teachers during 24th September -15th October 2012.
- (dddd) Successfully delivered **four invited lectures** in the **Refresher course on Environmental sciences** at the Academic Staff College, SGB Amravati University, Amravati for University and College teachers during 24th September -15th October 2012.
- (eeee) Successfully evaluated Research Project Proposals in the 19th Orientation courses and conducted by the Academic Staff College of the SGB Amravati University during 20th November -18th December 2012.
- (ffff) Successfully delivered **two invited lectures** as the resource person on 1. How to prepare a successful Research Project Proposal, 2. Water resource Management for sustainable development and also evaluated Research Project Proposals in the 20th Orientation courses and conducted by the Academic Staff College of the SGB Amravati University during 3rd January - 31st January 2013.
- (gggg) Successfully participated in the workshop on “Patents and intellectual property management” organized by the Patent cell of SGB Amravati University, Amravati.
- (hhhh) Successfully presented research paper on “Water resource management of the WGK5 sub-watershed of Waingangā River basin around Saoner region, Nagpur District, Maharashtra using Remote sensing and GIS techniques for sustainable development” at the National workshop organized by CGWB, Nagpur at SGB Amravati University on Watershed Development on 21.3.2013
- (iiii) Successfully delivered two guest lectures in the National workshop on “Challenges and opportunities in Environmental Pollution and Health (COEPH-13) on 13th March 2013 at the School of Environmental and earth sciences, North Maharashtra University, Jalgaon.

- (jjjj) Successfully delivered one invited lecture on “Scope and opportunities in Geology” at the UGC National workshop on “Watershed management- New Opportunities for Career Development” on 24th February 2013 at Shri Shivaji Science College, Amravati..
- (kkkk) Successfully Chaired one technical session in the UGC National Conference on “ Watershed Management for sustainable development (WMSD-2013) on 23rd February 2013 at Shri Shivaji Science College, Amravati.
- (llll) Successfully Chaired one technical Session on “Civil Engineering” and also presented six research papers at the International Conference on “Emerging trends and research in Engineering and Technology” on 30th March 2013 at IBSS College of Engineering, Amravati.
- (mmmm) Successfully Chaired one technical Session on “Applications of Remote sensing and GIS” and delivered one invited lecture and also presented two research papers at the International Conference on “Interdisciplinary applications of Remote Sensing and Geographic Information System –ICIARSGIS-2013” held from 25-27th April 2013 at K.J. Somaiya College of Science and Commerce, Vidyavihar, Mumbai.
- (nnnn) Successfully delivered **two invited lectures** as the resource person on 1. How to prepare a successful Research Project Proposal, 2. Making of a minor research proposal and also evaluated Research Project Proposals in the 21st Orientation Programme and conducted by the Academic Staff College of the SGB Amravati University during 29th April -25st May 2013.
- (oooo) Appointed as member of IQAC and AQAR to monitor the NAAC activities of the Sant Gadge Baba Amravati University, Amravati since 2010 onwards till date.
- (pppp) Chairman, Central Admission Committee of Sant Gadge Baba Amravati University for two academic years (2012-13 and 2013-14). Chairman, PG moderation Committee, Member, BOS and RRC and Faculty of Science.
- (qqqq) Successfully chaired technical session-VI on Groundwater Management Policies/issues at the Fourth International Groundwater Conference (IGWC, 2011) held at Madurai, Tamil Nadu during 27-30, Sept.2011;
- (rrrr) Chaired 4 Technical sessions on 1. Earthquake engineering 2. Water environment Transportation engineering 3. Remote sensing and GIS, 4. Geotechnical engineering in the International Conference on Advances in Civil Engineering, ACE, 2011 held during 21-23 October 2011 at KL University, Guntur, A.P.
- (ssss) Chaired two technical sessions at the Vth International Groundwater Conference (IGWC) held at Aurangabad during 18-21, December 2012.
- (tttt) Chaired one technical session at National conference on Watershed management held at Sri Shivaji Science College, Amravati during 22-23 February.2013.
- (uuuu) Successfully organized Refresher course in Environmental Sciences at Academic Staff College, SGBAU and delivered various guest lecturers in refresher courses and orientation courses of ASC.
- (vvvv) Participated in the workshop on Patents and Intellectual Property rights management organized by the Patent Cell of SGBAU on 7th February 2013
- (wwww) Successfully delivered two guest lecturers in the National workshop on “Challenges and opportunities in Environmental Pollution and Health (COEPH-13) on 13th March 2013 at the School of Environmental and earth sciences, North Maharashtra University, Jalgaon.
- (xxxx) Chaired one technical session at International Conference on Emerging Trends & Research in Engineering & Technology held on 30-31 March 2013 at IBSS college of Engineering, Amravati.
- (yyyy) Chaired one technical session at International Conference on Interdisciplinary Applications of Remote Sensing and Geographic Information Systems (ICIARSGIS-2013) held on 25th– 27th April 2013 at K J Somaiya College of Science and Commerce, Vidyavihar, Mumbai.
- (zzzz) Successfully conducted State level science exhibition on working and non-working models under the Inspire programme during 20th to 22nd September 2013 organized at HVPM by the department of Education, Amravati.
- (aaaaa) Chaired one technical session at International Conference on Emerging Trends & Research in Engineering & Technology held on 29th March 2014 at IBSS college of Engineering, Amravati.
- (bbbbb) Organized the IQAC Accreditation awareness workshop as the Director, IQAC for the Principals, Management Committee presidents and Coordinators of all the Affiliated College and HODs and Management Council members of Sant Gadge Baba Amravati University, Amravati on 3rd December 2014.
- (ccccc) Participated in the tier-II training on sustainable development and management of groundwater resources organized by CGWB, Nagpur under the aegis of Rajiv Gandhi National ground Water training and research institute at Amravati during 1-5 December 2014.

- (dddd) Co-chaired one technical session at 7th International Congress on Environmental Research (ICER-14) held on 27th December 2014 at R.V.College of Engineering, Bangalore , India.
- (eeee) Chaired one technical session for track 03 in advances in civil engineering at International Conference on Advances in Engineering & Technology(ICEAT-2015) held on 25thFebruary 2015 organized by Anjuman College of Engineering, Nagpur.
- (ffff) Organized the IQAC Accreditation awareness workshop as the Director, IQAC for the Principals, Management Committee presidents and Coordinators of all the professional Affiliated College and HODs and Management Council members of Sant Gadge Baba Amravati University, Amravati on 17thMarch, 2015.
- (gggg) Chaired one technical session in Civil Engineering session at International Conference on Emerging Trends & Research in Engineering & Technology held on 6thApril 2014 at IBSS college of Engineering, Amravati.
- (hhhh) Co-Chaired one technical session in State Level Seminar on “Role of IQAC in quality enhancement in higher education” held on 17thApril 2015 at Shri Shivaji College of Arts, Commerce and Science, Akola.
- (iiii) Nominated by the Hon’ble Vice Chancellor as the assessor to the NAAC, Bangalore under the category I for Professor level experts with outstanding credentials to join the cadre of Peer groups.
- (jjjj) Jointly organized NAAC Accreditation awareness workshop as the Director, IQAC for the Principals, of all the granted Affiliated College and HODs and Management Council members of Sant Gadge Baba Amravati University, Amravati on 27thJune, 2015 in collaboration with the Joint Director, Higher Education (Dr. Shilendra Deolankar), Amravati Division, Govt. of Maharashtra.

Post-doctoral research/training experience:

- (a) Duration: 2 Years (1992-94)
Institution: Department of Earth Sciences, I.I.T., Powai, Mumbai-76.
Designation: Visiting Associate of U G C.
Nature of work: Established the flow stratigraphy, geochemistry and palaeomagnetism of Western Deccan Basalt Province and developed petrogenetic models
- (b) Duration: 1 Years (1994-95)
Institution: Royal Holloway, University of London, UK
Designation: Commonwealth Academic Staff Fellow
Nature of work: Carried out Post-doctoral research on Geochemistry and petrology of Deccan Traps and proposed petrogenetic models. In this study, an attempt was made to correlate the stratigraphic sequence from Western Ghats and Malwa Traps.
- © Duration: Two months (June and July, 2000)
Institution: Royal Holloway, University of London, U.K
Designation: Post-doctoral Fellow
Nature of work: Carried out Post-doctoral research on correlation of geochemistry, Mineralogy, and petrology of Deccan Traps and Northern Ireland Basalts.
- (d) Duration: Two months (15.5.2007 to 16.7.2007)
Institution: IPGP, Paris, France
Designation: Invited Researcher (Post-doctoral Fellow)
Nature of work: Carried out Post-doctoral research on the rock and palaeomagnetism of the Deccan Traps.

Research Guidance:

Successfully guided 14 Ph.Ds. 5 M.Phil. 10 M.Sc (Tech) Mineral Exploration students and 150 M.Sc. dissertation and presently guiding 8 Ph.Ds.in Geology and Environmental Sciences

References:1. Dr. J.N.Walsh, Department of Geology, Royal Holloway, University of London,

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Fax: 0044-1784-4471780; Mobile:07734114685; e-mail: j.walsh@gl.rhul.ac.uk
2. Dr.Paul Lyle, Geology Department, School of Built Environment, University of Ulster, 75, Belfast road, Carrickfergus, County Antrim BT38 8PH, Northern Ireland, United Kingdom.Tel/Fax: +44-02890-366228, E-mail: p.lyle@ulster.ac.uk
 3. Prof. Vincent Courtillot, Director, Institut de Physique du Globe de Paris, Place jussieu Université Paris 7, et Institut Universités de France Tel: 01 44 27 28 20 Fax: 01 44 27 74 63, E-mail:courtil@ipgp.jussieu.fr
 4. Prof. P. R. Hooper, Department of Geology, Washington State University, Pullman, A 99164 2812, USA. E-mail:prhooper@mail.wsu.edu
 5. Prof. K.V.Subbarao, Professor of Eminence, Deptt .of Earth & Planetary Sciences, University of Hyderabad, Hyderabad (AP), India. Tel:09392472503 E-mail: kvsbarao_iitb@yahoo.co.in
 6. Prof. L.G. Gwalani, Department of Geology, University of Western Australia, Australia. E-mail: lalou101@hotmail.com,felsic_adventures@yahoo.com Tel: +61 (0)401 150 317.
 7. Prof. Frédéric Fluteau, Professor, Laboratoire de Paléomagnétisme, Institut de Physique du Globe de Paris, Place jussieu Université Paris 7, France, Tel: 01 44 27 28 20 Fax: 01 44 27 74 63, E-mail:fluteau@ipgp.jussieu.fr
 8. Prof. G.P.Patil, Distinguished Professor of Mathematical Statistics, Director, Center for Statistical Ecology and Environmental Statistics, Editor-in-Chief, Environmental and Ecological Statistics, Department of Statistics,421 Thomas Building, The Pennsylvania State University, University Park, PA 16802,Telephone : 814/865-9442,Fax : 814/865-1278,Email : gpp@stat.psu.edu
 9. Dr.Rajan Zambre, CEO, Erallo Technologies,Inc, 20 Taylor St., Littleton, MA 01460 USA. e-mail: zambre@erallo.com
 10. Prof. Dr. Gerta Keller, Department of Geosciences, Princeton University, Princeton NJ 08544 USA, e-mail: gkeller@princeton.edu
 11. Dr. Brain Gertsch, Department of Earth, Atmospheric and Planetary Sciences, Massachusetts Institute of Technology, 77 Massachusetts Avenue, Bldg. 54-1126, Cambridge MA 02139, USAe-mail:bgertsch@MIT.EDU
 12. Dr.Blair Schoene, Department of Geosciences, Princeton University, Princeton NJ 08544 USA e-mail: bschoene@princeton.edu
 13. Prof.Samuel Bowring, Professor of Geology,Department of Earth, Atmospheric and Planetary Sciences. Massachusetts Institute of Technology (MIT), Cambridge MA 02139USA, e-mail: sbowring@mit.edu
 14. Dr. Thierry Adatte, Institut de Géologie et Paléontologie, University of Lausanne, Lausanne, Switzerland. *E mail:* thierry.adatte@unil.ch

Research Projects/ Schemes Undertaken:

(I) Successfully Completed:

1. **SERC Young Scientist Project of DST, New Delhi**
 - a. Project Title: "Flow stratigraphy, geochemistry & palaeomagnetism of Mandu Volcanics, Malwa Traps, MP and to develop constraints on its petrogenesis".
 - b. Duration: 3 Years (1.7.1991- 30.6.1994)
 - c. Total Cost: 2.75 lakhs
2. **Major research project of UGC, New Delhi:**
 - a. Project Title: "Flow stratigraphy, geochemistry and palaeomagnetism of Bagli Volcanics, Malwa Deccan Traps, Madhya Pradesh and to develop constraints on its petrogenesis".
 - b. Duration: 3 Years (15.5.1998- 15.5.2001)
 - c. Total Cost: 2.49 lakhs.
3. **Special Assistance Programme (DRS) of UGC, New Delhi:**
 - a. Project Title:"Petrology& palaeomagnetism of Deccan& to develop constraints on their petrogenesis".
 - b. Duration: 5 Years (1.1.1994 - 1.1.1999)
 - c. Total Cost: 22 lakhs
- 4 **Major research project of DST, New Delhi:**
 - a. Project Title: "Flow stratigraphy, petrogenesis and Palaeomagnetism of Singarchori Volcanics, Malwa Traps, MP".
 - b. Duration: 3 Years (28.9.1998- 28.9.2001)
 - c. Total Cost: 6.25 Lakhs
5. **Major Research Project of ICAR, New Delhi**

- a. Project Title: "Detailed Hydrogeological investigations of the Purna river basin, Maharashtra with special emphasis on the salinity problem and its environmental management".
- b. Duration: 3 Years (1.4.2002- 31.3.2005)
- c. Total Cost: Rs. 5,75,800.
- 6. Minor Research Project of Amravati University**
- a. Project Title: "Detailed Hydrogeological investigations of the Purna river basin exposed near Akola District, M.S, with emphasis on salinity problem and its environmental management".
- b. Duration: 2 Years (1.4.2000- 31.3.2002)
- c. Total Cost: Rs. 50,000.
- 7. Minor Research Project of Amravati University, Amravati**
- a. Project Title: "Flow Stratigraphy and Palaeomagnetism of Darwah Volcanics, Maharashtra".
- b. Duration: 2 Years (1.4.2002- 31.3.2004)
- c. Total Cost: Rs. 15,000.
- 8. Major research project of UGC, New Delhi:**
- a. Project Title: "Flow stratigraphy, Petrology, Petrogenesis of Chikaldhara Volcanics, Amravati District, Maharashtra with emphasis on stratigraphic correlations of western Ghats, Central Deccan and Malwa traps".
- b. Duration: 3 Years (1.4.2005- 29.2.2008)
- c. Total Cost: 10.011 Lakhs.
- 9. Major research project of UGC, New Delhi:**
- a. Project Title: "Flow stratigraphy, Petrogenesis and Palaeomagnetism of Asirgarh Volcanics, Burhanpur District, Madhya Pradesh with emphasis on search and identification of magmatic pulses for assessment of their role in the greatest mass extinctions of the earth history".
- b. Duration: 3 Years (1.2.2009- 31.1.2012)
- c. Total Cost: 11.11690 Lakhs.

10. Innovative Programme of UGC, New Delhi

Successfully completed as the Coordinator of the Innovative Programme of UGC for P.G. Diploma in Watershed Technology and Management from 2007-2012 with an out lay of Rs. 52, 81,768/-

On-going:

1. Innovative Programme of UGC, New Delhi

Recently received one Innovative Programme of UGC to start PG Diploma in Remote sensing and GIS from the academic session 2013-14 as the coordinator with full financial assistance of 125 Lakhs including 58 Lakhs grant along with the salary of two Assistant Professors for a period of 5 years from 1.4.2013 to 31.3.2018.

(III) Post-doctoral Research work abroad and International collaboration:

Dr. Khadri was invited by the Royal Holloway, University of London, UK to carry out Post-doctoral research in collaboration with Dr. J.N. Walsh from Royal Holloway University of London, UK and Dr. Paul Lyle from University of Ulster, Northern Ireland, UK under the Commonwealth Academic Staff Fellowship Programme. Dr. Khadri had successfully completed the PDF under International research collaboration Programme for two months during June and July 2000 at Royal Holloway University of London, UK. Recently, Dr. Khadri had successfully completed PDF for 2 months (15th May to 16th July 2007) at Palaeomagnetic Lab, IPGP, University of Paris, France as an Invited Researcher.

Dr. Khadri had established research collaboration with Dr. J.N. Walsh from the Royal Holloway University of London, UK; Dr. Paul Lyle from the University of Ulster, Northern Ireland, UK; Prof. Vincent Courtillot, Director, Institut de Physique du Globe de Paris, France; Dr. P.R. Hooper from the Washington State University, Pullman, USA Professor G.P.Patil from Penn State University, USA and Dr.Rajan Zambre, Erallo Technologies, USA under the International research collaboration programme. In addition, Dr. Khadri is having research collaboration with Prof. K.V. Subbarao from IIT, Mumbai and University of Hyderabad; Professor Gerta Keller and Dr. Blair Schoene from Princeton University, USA, Prof. Samuel Bowring and Dr. Brain Gertsch from Massachusetts Institute of Technology, USA,, Dr. Thierry Adate from University of Lausanne, Switzerland, Professor L.G.Gwalani from University of Western Australia; Dr K.Mahender from Goa University, Goa&Prof.S.Ramaswamy and Dr.SM.Hussain from Madras University, Chennai.

Recently Dr. Khadri has re-established the research collaboration with internationally renowned scientists Prof. Gerta Keller and Prof. Blair Schoene from the Princeton University, USA, Mike Eddy from the Massachusetts Institute of Technology (MIT), USA and Prof. Thierry Adate from the University of Lausanne, Switzerland who are collaborating on a project on the Chronology of Deccan volcanism. Dr. Khadri has been nominated as the research team leader to lead a group of reputed research scientists from US and Switzerland for the proposed international field trip programme during 9th to 22nd December 2013. This project is of international scientific importance and has garnered worldwide interest, which outlines the rational and importance of this scientific investigation for the international advancement of science on one of the most important problems **“the role of volcanism in mass extinctions”** and the high visibility role that both collaborating institutions can play in solving this problem. This proposed international research collaboration makes it critical for further research as it will certainly benefit the on-going research and development activities of the department and University.

(IV) List candidates awarded/ongoing Ph.D under the guidance:

S	Name	Title of Thesis	University	Year
1	Shri. B.K. Singh	Stratigraphy and Palaeomagnetism of a part of Mandu Plateau, Dhar District, M.P.	Vikram	1993 Awarded
2	Shri. R.G. Nagar	Petrology and Palaeomagnetism of a part of Mandu Plateau, Dhar District, M.P.	Vikram	1993 Awarded
3	Shri. P. Sreenivasa Rao	Stratigraphy and Palaeomagnetism of Deccan Volcanics around Gujri and East of Pune with emphasis on correlations between the northern and western Ghat traps.	Vikram	1997 Awarded
4	Shri S. P. Khadse	Hydrogeological Investigations in the Kobinala&Dhawalgiri nala watersheds with emphasis on ground water management Warud Taluka, Amravati Dist. (M.S.)	Amravati	2003 Awarded
5	Shri M.S. Deshmukh	Stratigraphic, Petrological and Hydro geomorphic correlation of Pohra hill ranges, Amravati Dist, M.S. and Satpura Hill ranges of Salbardi area, Betul Dist. M.P.	Amravati	2003 Awarded
6	Ms. T. M. Wagh	Petrographic and hydrogeological investigations of Uma river basin, Akola Dt, MS with emphasis on environmental management	Amravati	2003 Awarded
7	Shri A.K. Viswanadham	Flow stratigraphy &Palaeomagnetic investigations of Bagli Volcanics, Malwa Deccan Traps, M.P. and to develop constraints on its Petrogenesis.	Amravati	2003 Awarded
8	Shri S.V. Kulkarni	Flow stratigraphy and Petrography of Muktagiri volcanics, Betul Dt. MP with water resource management.	Amravati	2003 Awarded
9	Shri G.K. Bhore	Stratigraphy of lava flows exposed at Chikaldhara region, Amravati Dist. (M.S.) with water resource management	Amravati	2005 Awarded
10	Shri P.S. Ingle	Flow stratigraphy and Palaeomagnetism of Narnala Fort Volcanics, Amravati and Akola districts, Madhya Pradesh	Amravati	2011 Awarded
11	Shri S.S.	Hydrogeological and petrographic investigations of Katepurna	Amravati	2013

S	Name	Title of Thesis	University	Year
	Deshmukh	River basin with emphasis on watershed management in Akola District, Maharashtra		Awarded
12	Shri P.A. Suple	Hydrogeology and petrology of Vidrupa River basin with emphasis on watershed management in Akola District, Maharashtra	Amravati	2013 Awarded
13	Shri G.V. Pradhan	Petrology, Stratigraphy and Palaeomagnetism of KhangdoVolcanics, Gavilgarh hill range, Amravati district, (MS)	Amravati	2013 Awarded
14	Shri N.R.Kokate	Hydrogeological studies on Morna river basin, MS with reference to water resource management	Amravati	2014 Awarded
		(b) On-going		
1	Ms VaniTurlapati (ES)	Geophysical and remote sensing studies on Narayanpet-Maddur Kimberlites field, India with emphasis on environmental impact	Amravati	Submitted
2	Ms.V. Naga Lakshmi (ES)	Integration of geophysical, geological and remote sensing data for structural analysis of Chintalapudi sub-basin, Pranahita Godavari valley, Andhra Pradesh with emphasis on climate change, environmental impact	Amravati	Submitted
3	Chaitanya. B. Pande (ES)	Petrographic and hydrogeological investigations of Mahesh River basin, Akola and Buldhana districts, MS with reference to environmental and watershed management using remote sensing and GIS techniques	Amravati	Submitted
4	Ms Kanak N. Moharir (ES)	Stratigraphic and hydrogeological investigations of Man river basin, Akola and Buldhana districts, MS with reference to environmental and watershed management using Remote sensing and GIS techniques	Amravati	Submitted
5	Mayura M. Deshmukh(G)	Flow stratigraphy and geochemistry of Asirgarh Volcanics, Burhanpur District, Madhya Pradesh.	Amravati	In Progress
6	Nitish Chauhan (G)	Petrology, stratigraphy and palaeomagnetism of Lonar Volcanics, Buldhana District, Maharashtra	Amravati	In Progress
7	Harish Kathare (G)	Hydrogeological investigations of Bemla River basin with reference to water resource management	Amravati	In Progress
8	Sachin Thakre (ES)	Integrated hydro-geological investigations of Kanhan and Pench watersheds around Khaperkheda thermal power station, Nagpur, Maharashtra using Remote sensing & GIS techniques with reference to environmental management	Amravati	In Progress

LIST OF PUBLICATIONS OF Dr. S.F.R.KHADRI

(i) International

1. Remote Sensing and GIS Applications of Lineament mapping of Mahesh River Basin, Akola & Buldhana District, Maharashtra, India Using Multispectral Satellite Data (with Chaitanya Pande) International Journal of Research (IJR) e-ISSN: 2348-6848, p- ISSN: 2348-795X Volume 2, Issue 10, October 2015, pp: 85-90.
2. Identification of Artificial recharge zone of the selected watershed using Remote Sensing and GIS (with Kanak Moharir) International Journal of Research (IJR) e-

- ISSN: 2348-6848, p- ISSN: 2348-795X Volume 2, Issue 10, October 2015, pp: 582-590.
3. Groundwater quality Mapping using hydrogen chemistry and Geostatistical Analyst of Mahesh River Basin, Akola and Buldhana District, Maharashtra, India. (with Chaitanya Pande) International Journal of Research (IJR) e-ISSN: 2348-6848, p- ISSN: 2348-795X Volume 2, Issue 10, October 2015, pp: 569-581.
 4. Mapping of lineaments and knowledge base preparation using Remote Sensing and GIS techniques of the Morna River Basin, Akola District, Maharashtra, India. (with Kokate, N.R.) International Journal of Research (IJR) e-ISSN: 2348-6848, p- ISSN: 2348-795X Volume 2, Issue 10, October 2015, pp: 563-568.
 5. Geospatial study on Morphometric characterization of Tapi micro watershed of Asirgarh, Burhanpur District, MP, India. (with Chaitanya Pande) International Journal of Research (IJR) e-ISSN: 2348-6848, p- ISSN: 2348-795X Volume 2, Issue 10, October 2015, pp: 591-601.
 6. Delineation of watershed in Amravati tehsil using geomorphological investigations through Remote Sensing and GIS techniques (with Sachin Thakre and Pooja Surker) International Journal of Research (IJR) e-ISSN: 2348-6848, p- ISSN: 2348-795X Volume 2, Issue 10, October 2015, pp: 991-998.
 7. Remote sensing based hydrogeomorphological mapping of Mahesh River basin, Akola and Buldhana Districts, Maharashtra, India- effects for water resource evaluation and management (with Chaitanya B. Pande) International Journal of Geology, Earth and Environmental Sciences, ISSN 2277-2018, August 2015, Vol 5 (2) pp: 178-187.
 8. Hydrogeology investigation and water level fluctuation in hard rock of the Man River basin, Akola and Buldhana Districts, Maharashtra, India (with Kanak Moharir), American Journal of Geophysics, Geochemistry and Geosystems, vol.1 no.3 July 2015, pp: 92-99.
 9. Analysis of hydro-geochemical characteristics of groundwater quality parameters in hard Rocks of Mahesh River Basin, Akola and Buldhana Districts, Maharashtra, India using geo-informatics techniques (with Chaitanya Pande), American Journal of Geophysics, Geochemistry and Geosystems, vol.1 no.3, July 2015, pp: 105-114.
 10. Morphometric investigation of GP4 sub-watershed in Buldhana district of Maharashtra India; using remote sensing and geographic information system techniques, (with Nitesh Chavan) International Journal of Pure and Applied research in Engineering and Technology (IJPRET), ISSN: 2319-507X, May 2015 Vol 3 (9), pp: 76-90. **Impact Factor: 4.226.**
 11. Groundwater quality mapping of Morna river basin in Akola district, Maharashtra, India using geo-informatics techniques, (with Kokate N R) International Journal of Pure and Applied research in Engineering and Technology (IJPRET), ISSN: 2319-507X, May 2015 Vol 3 (9), pp: 36-44. **Impact Factor: 4.226.**
 12. Land use/Land covers mapping in Mahesh river basin of Akola & Buldhana districts (MS), India using geo-informatics techniques, (with Chaitanya B. Pande)

- International Journal of Pure and Applied research in Engineering and Technology (IJPRET), **ISSN: 2319-507X**, May 2015 Vol 3 (9), pp: 45-52. **Impact Factor: 4.226.**
13. Using spatial interpolation techniques (IDW) - a case study of man river basin Akola Buldhana districts of India, (with Kanak Moharir), International Journal of Pure and Applied research in Engineering and Technology (IJPRET), **ISSN: 2319-507X**, May 2015 Vol 3 (9), pp: 53-63. **Impact Factor: 4.226.**
 14. Morphometric analysis of Tapi micro - watershed using remote sensing and GIS technique in Burhanpur district of MP. India, (with Mayura Deshmukh), International Journal of Pure and Applied research in Engineering and Technology (IJPRET), **ISSN: 2319-507X**, May 2015 Vol 3 (9), pp: 64-75. **Impact Factor: 4.226.**
 15. Groundwater resource management of the Morna River basin, Akola District, Maharashtra, India (with Kokate N R) International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169, February 2015, Volume: 3 Issue: 2, **ImpactFactor: 5.75**, pp: 093 – 100.
 16. Hypsometric Analysis of the Morna River basin, Akola District, Maharashtra, India (with Kokate N R) International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169, February 2015, Volume: 3 Issue: 2, **ImpactFactor: 5.75**, pp: 087 – 092.
 17. Groundwater quality mapping of Katepurna watershed in Akola district of Maharashtra India (with Sanjay S Deshmukh) International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169, February 2015, Volume: 3 Issue: 2, **ImpactFactor: 5.75**, pp:101 – 106.
 18. Hydrogeology of the Vidrupa River basin, Akola District, Maharashtra, India with reference to water level fluctuation (with Suple P A) International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169, February 2015, Volume: 3 Issue: 2, **ImpactFactor: 5.75**, pp: 107 – 112.
 19. Ground Water Quality Mapping FOR Mahesh River Basin in Akola and Buldhana District of (MS) India Using Interpolation Methods (with Chaitanya B Pande) International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169, February 2015, Volume: 3 Issue: 2, **ImpactFactor: 5.75**, pp: 113 – 117.
 20. Irrigation mapping of Man River Basin of Akola and Buldhana District, (MH) using Spatial Interpolation techniques (with Kanak Moharir) International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169, February 2015, Volume: 3 Issue: 2, **ImpactFactor: 5.75**, pp: 118 – 124.
 21. Geomorphological study of Amravati Tehsil, District Amravati, Maharashtra using remote sensing and GIS techniques (with Sachin Thakre and) International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169, February 2015, Volume: 3 Issue: 2, **ImpactFactor: 5.75**, pp: 125 – 129.
 22. **U-Pb geochronology of the Deccan Traps and relation to the end-Cretaceous mass extinction** (with Blair Schoene, Kyle M. Samperton, Michael P. Eddy, Gerta Keller, Thierry Adatte, Samuel Bowring, Brian Gertsch) 2014, **Science**,

- Five year Impact Factor: 34.40**, ISSN No: 0036-8075, American Association for the advancement of Science (USA),9 January 2015: Vol. 347 no. 6218 pp. 182-184, along with 33 pages additional supplementary material published by Science, DOI:10.1126/science.aaa0118.
23. Quantitative geomorphological analysis for characterization of selected watersheds in Akola and Buldhana districts of Maharashtra, India. (with Kanak Moharir), Indian Streams Research Journal, ISSN 2230-7850, **Impact Factor : 2.1506 (UIF)**, Volume-4, Issue-7, August-2014, pp: 1-9.
 24. Spatial analysis of Groundwater Quality for Man River Basin in Akola and Buldhana District of Maharashtra Using GIS techniques (with Kanak Moharir), Golden Research Thoughts, ISSN 2231-5063, **Impact Factor: 2.2052(UIF)**, Volume-3, Issue-12, June-2014, pp: 1-13.
 25. Remote Sensing and GIS applications of geomorphological mapping of Mahesh River Basin, Akola & Buldhana Districts, Maharashtra, India using multispectral Satellite Data (with Chaitanya B. Pande) , Indian Streams Research Journal, ISSN 2230-7850, **Impact Factor : 2.1506 (UIF)** Volume-4, Issue-5, June-2014, pp: 1-7.
 26. Morphometric analysis of Mahesh River Basin exposed in Akola and Buldhana Districts, Maharashtra, India using Remote Sensing & GIS techniques, (with Chaitanya Pande), Golden Research Thoughts ISSN 2231-5063 **Impact Factor: 2.2052(UIF)** Volume-3. Issue-11, May-2014, pp: 1-16
 27. Groundwater quality monitoring for PTR-1 watershed in Akola District, Maharashtra, India using Geographic Information System and Remote Sensing techniques, (with Kanak Moharir), International Journal of Pure and Applied Research in Engineering and Technology Impact Factor: 0.621 ISSN: 2319-507x, April 2014; Volume 2 (9), pp: 156-170 .
 28. Applications of GIS and Remote Sensing techniques to identify the artificial recharge zones in Murtizapur Taluk, Akola District, Maharashtra, India. (with Chaitanya Pande), International Journal of Pure and Applied Research in Engineering and Technology Impact Factor: 0.621 ISSN: 2319-507x, April 2014; Volume 2 (9), pp: 21-34.
 29. Land use and Land cover area estimation for Nagpur City, Maharashtra using Remote Sensing and GIS techniques, (with Sachin Thakare and Pooja Surkar), International Journal of Pure and Applied Research in Engineering and Technology, Impact Factor: 0.621 ISSN: 2319-507x, April 2014; Volume 2 (9), pp: 10-20.
 30. Applications of Geographical Information System and Remote Sensing techniques in hypsometric analysis of Man River Basin in Akola and Buldhana Districts, Maharashtra, India, (with Kanak Moharir), International Journal of Pure and Applied Research in Engineering and Technology **Impact Factor: 0.621** ISSN: 2319-507x, 2014; Volume 3 (9), March 2014, pp: 1-12.
 31. Hypsometric analysis of the Mahesh River Basin in Akola and Buldhana districts using remote sensing and GIS technology (with Chaitanya Pande), International Journal of Golden Research Thoughts, ISSN No: 2231-5063, **Impact Factor: 2.2052 (UIF)**, Vol 3, Issue 8, February 2014, pp:1-11.
 32. Hydrogeological investigations of Vidrupa River Basin, Akola District, Maharashtra with reference to water resource management (with Suple, P.A.) International Journal of pure and applied research in engineering and Technology (IJPRET) **ISSN No: 2319-507X**, Vol. 2, Issue 4; December, 2013, pp: 54-73. **Impact Factor: 4.226**.

33. Hydrogeological Investigation of the Morna River Basin, Akola District, Maharashtra, India Using Remote Sensing and GIS Techniques for the Assessment of Groundwater Conditions(with Kokate, N.R.), International Journal of Scientific & Engineering Research, Volume 4, Issue 12, December-2013 ISSN 2229-5518 pp:134-143.
34. Groundwater Regime of the WGK5 Sub-Watershed of Waingangā River Basin Around Saoner Region, Nagpur District, Maharashtra Using Remote Sensing and GIS Techniques for Sustainable Development, (with Kakade, R.R.), International Journal of Scientific & Engineering Research, Volume 4, Issue 12, December-2013 ISSN 2229-5518 pp:72-78.
35. Hydrogeological Investigations of PT-6 Watershed in Akola District, MS, India Using Remote Sensing and GIS Techniques with Reference to Watershed Management (with Chaitanya B. Pande), International Journal of Scientific & Engineering Research, Volume 4, Issue 12, December-2013 ISSN 2229-5518 pp: 1-7.
36. Environmental management of Vidrupa River basin, Akola District, Maharashtra using remote sensing and GIS techniques (with Suple, P.A.) International Journal of Golden Research Thoughts, Vol.3, Issue 6, December, 2013, pp: 1-13. ISSN No: 2231-5063, **Impact Factor: 1.9508** (UIF).
37. Detailed morphometric analysis of Man River Basin in Akola and Buldhana Districts of Maharashtra, India using Cartosat-1 (DEM) Data and GIS techniques (with Kanak Moharir) International Journal of Scientific & Engineering Research, November 2013,pp: 832-853, **ISSN No: 2229-5518, Impact Factor:1.40.**
38. Geomorphological investigations of Bor River Basin (Tributary of Pedi River) Amravati District, Maharashtra using Remote Sensing and GIS techniques (with Nitesh Thakur), International Journal of Scientific & Engineering Research, November, 2013, pp: 1089-1098, **ISSN No: 2229-5518, Impact Factor:1.40.**
39. Groundwater regime of Katepurna River basin, Akola District, Maharashtra with reference to watershed management. (With Deshmukh, S.S.) International Journal of Earth Sciences and Engineering (IJEE), October 2013, Volume 06 No: 05 (01), pp: 1243-1250, ISSN No: 0974-5904, **Impact Factor: 0.042.**
40. Groundwater regime of Paras thermal power plant using remote sensing and GIS techniques with emphasis on environmental impact analysis (with Thakare S.M.) International Journal of Golden Research Thoughts, Vol.3, Issue 4, October, 2013, pp: 1-9, ISSN No: 2231-5063, pp: **Impact Factor1.2018** (GISI).
41. Delineation of groundwater potential zones around Paras thermal power plant using remote sensing and GIS techniques (with Thakare S.M.) International Journal of pure and applied research in engineering and Technology (IJPRET) **ISSN No: 2319-507X**, Vol. 2, Issue 2; October 2013, pp: 30-53. **Impact Factor: 4.226.**
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5. Characterization of aquifer parameters and groundwater flow regime in the basaltic terrain, by Khadri and Kanak Moharir, 10thchapter in the book entitled "**Four Decades of Groundwater research**," published jointly by Capital Book publishing, New Delhi and Spencer Ltd,Netherland, revised edition, Editors: V.P. Singh and M. Thangarajan(In Press).
6. Groundwater Flow Modelling using MODFLOW software-A case study from the Mahesh River basin, Maharashtra, India" by Khadri, S.F.R. and Chaitanya B. Pande,a

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(iv) International Conferences/Seminar proceedings:

1. Urban water supply system –A case study on water network distribution in Chalisgaon city in Dhule district Maharashtra using Remote sensing and GIS techniques (with Chaitanya Pande) Proceeding volume of the International Conference on Advances in Engineering and Technology (ICAET-2014) 8-9 January 2014 published in IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) ISSN No: 2320-334X, pp: 1-12, **Impact Factor: 1.485.**
2. Land use Land cover mapping of the Jam river watershed lying in Katol basin area, Nagpur District, Maharashtra, India using Remote sensing and GIS techniques (with Thakre S.M.) Proceeding volume of the International Conference on Advances in Engineering and Technology (ICAET-2014) 8-9 January 2014 published in IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) ISSN No: 2320-334X, pp: 6-11, **Impact Factor: 1.485.**
3. Remote sensing and GIS approaches in artificial recharge of groundwater potential zones in PT-7 Watershed of Akola District, Maharashtra, (with Kanak Moharir) Proceeding volume of the International Conference on Advances in Engineering and Technology (ICAET-2014) 8-9 January 2014 published in IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) ISSN No: 2320-334X, pp: 45-50, **Impact Factor: 1.485.**
4. Groundwater regime of the WRY-2 sub-watershed of Wardha River basin around Wardha Taluka, Wardha District, Maharashtra, India using an integrated approach of Remote sensing and GIS techniques, (with Ritesh Kakade.) Proceeding volume of the International Conference on Advances in Engineering and Technology (ICAET-2014) 8-9 January 2014 published in IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) ISSN No: 2320-334X, pp: 71-78, **Impact Factor: 1.485.**
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9. Hydrogeological investigations of PT-6 watershed in Akola District, MS, India using remote sensing and GIS techniques with reference to watershed management (with Chaitanya Pande), International Conference on Interdisciplinary Applications of Remote

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 11. Water resource management of the WGK5 sub-watershed of Waingangā River basin around Saoner region, Nagpur District, Maharashtra using Remote sensing and GIS techniques for sustainable development (with Kakade), International Conference on Interdisciplinary Applications of Remote Sensing and Geographic Information Systems(ICIARSGIS-2013), 25th– 27thApril 2013, K J Somaiya College of Science and Commerce, Vidyavihar, Mumbai.
 12. Geo-Environmental issues in parts of Amravati, Akola and Yavatmal districts, Maharashtra with reference to fluoride concentration in groundwater, International Conference on Emerging Trends & Research in Engineering & Technology, 30-31 March 2013 IBSS college of Engineering, Amravati, Proceeding volume, pp:
 13. Geo-environmental impact assessment studies of groundwater in the Maru river basin of Salbardi region, Amravati District, Maharashtra. International Conference on Emerging Trends & Research in Engineering & Technology, 30-31 March 2013 IBSS college of Engineering, Amravati, Proceeding volume, pp:
 14. Groundwater regime of Pohra region, Amravati District, Maharashtra with reference to water resource management. International Conference on Emerging Trends & Research in Engineering & Technology, 30-31 March 2013, IBSS college of Engineering, Amravati, Proceeding volume, pp:
 15. Environmental impact analysis in the Karam River basin, Dhar District, Madhya Pradesh with emphasis on water resource development. International Conference on Emerging Trends & Research in Engineering & Technology, 30-31 March 2013 IBSS college of Engineering, Amravati, Proceeding volume, pp:
 16. Water resource management of Asirgarh region, Burhanpur District, MP with emphasis on sustainable management of groundwater in basaltic terrain. International Conference on Emerging Trends & Research in Engineering & Technology, 30-31 March 2013 IBSS college of Engineering, Amravati, Proceeding volume, pp:
 17. Environmental management of quality of groundwater in Akot region, Akola District, Maharashtra. International Conference on Emerging Trends & Research in Engineering & Technology, 30-31 March 2013 IBSS college of Engineering, Amravati, Proceeding volume, pp:
 18. Aquifer parameter estimation in a basaltic terrain, Mandu Region, Dhar District,MP, India with reference to groundwater potential, Proceedings of the Fifth International Groundwater Conference, (IGWC-2012) on the assessment and management of groundwater resources in hard rock systems with special reference to basaltic terrain,Volume I Resources Assessment and Aquifer Characterization IGWC Groundwater Research Series # 5 (I) Editors M.Thangarajan, C. Mayilswami, P.S.Kulkarni and V.P.Singh, pp 279-298,
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 - 12 Hydro geological investigations of Chandrabhaga river basin, Chikaldhara region, Amravati District, Maharashtra, India. . International conference on advances in Civil Engineering, ACE, 2011, KL University, Guntur, 21-23 October, 2011.
 - 13 Estimation of aquifer parameters in basaltic terrain, Asirgarh region, Burhanpur district, Madhya Pradesh, India. Fourth International Groundwater Conference (IGWC, 2011) on the impact of climate change on groundwater resources with special reference to hard rock terrain, Madurai, September 27-30, 2011, pp: 6.
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- 27 Groundwater resource development of Karam River basin, Mandu region, Dhar District, M.P., India with reference to water budgeting. Abstract Paper presented at International Conf.on “Geo-environmental Challenges ahead” on 23-25 April 2007 at Univ.of Jammu, Jammu
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13. Estimation of aquifer parameters in a basaltic terrain, Mandu region, Dhar district, MP, India. UGC sponsored national Seminar on emerging trends in scientific research, Durg, 11-12 October 2011. pp: 16.
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15. Estimation of groundwater appraisal in a basaltic terrain, Burhanpur region, MP, India. UGC sponsored national Seminar on emerging trends in scientific research, Durg, 11-12 October 2011. pp: 18.
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17. Petro-chemical and Palaeomagnetic investigations of the lava flows and Dykes of Chikaldhara Plateau, Amravati Dt., Maharashtra, India region, Central Deccan Volcanics. Abstract volume, Group discussion on Indian Dykes held at BHU, Varanasi during 18-19 March 2006, pp 54-55
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