

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
Institution: Sant Gadge Baba Amravati University,
and address Amravati - 444 602 (MS)Tel: 0721-2552815 (O);
M:8329054661/8767468412/9423425393Fax:0721-2660949



E-mail: hodgeo@sgbau.ac.in; sfrkhadri@gmail.com

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.
12.12.1996-11.12.2004	Amravati University	Reader and Head	Administration, Teaching&Research
12.12.2004 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
20.11.2014 to till date	SGB Amravati University	Director, IQAC	To co-ordinate the forth coming NNAC activities of the University

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

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 an 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 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.

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, dame 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 1^{3th}-1^{4th} September 2001.
- (s) Successfully headed Central Instrumentation Cell of the Amravati University as the Founder In-charge for 4 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 Honøble Vice-Chancellor.
- (rr) Participated in International Workshop on Surveillance Hotspot Geoinformatics 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 Honøble Vice-Chancellor on the eve of World Environment Day (5th June 2008) regarding the Shramadan activity carried out under the guidance of the Honøble 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 Honøble Vice-Chancellor on the eve of World Environment Day (5th June 2009) regarding the Shramadan activity carried out under the guidance of the Honøble 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 Bokard 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 to 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 outlay 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 Waingang 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 -25th 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 to 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.
- (aaaa) 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.
- (bbbb) 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.
- (cccc) 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 25th February 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 17th March, 2015.
- (gggg) Chaired one technical session in Civil Engineering session at International Conference on Emerging Trends & Research in Engineering & Technology held on 6th April 2015 at IBSS college of Engineering, Amravati.

- (hhhhh) Co-Chaired one technical session in State Level Seminar on "Role of IQAC in quality enhancement in higher education" held on 17th April 2015 at Shri Shivaji College of Arts, Commerce and Science, Akola.
- (iiiiii) Nominated by the Honorable 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.
- (jjjjj) 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 27th June, 2015 in collaboration with the Joint Director, Higher Education (Dr. Shilendra Deolankar), Amravati Division, Govt. of Maharashtra.
- (kkkkk) Chaired one technical session in Civil Engineering session at International Conference on Emerging Trends & Research in Engineering & Technology held on 30th March 2016 at Dr. Yogendra Gode college of Engineering, Amravati.
- (lllll) Nominated by the Honorable Vice-Chancellor as the member representative of the Sant Gadge Baba Amravati University, Task Force for Globalization of Higher Education, Ministry of Higher and Technical Education, Govt. of Maharashtra.
- (mmmmm) Nominated by the Honorable Vice-Chancellor as the Nodal Officer of the Sant Gadge Baba Amravati University, for the National Institutional Ranking Framework (NIRF) sponsored by the MHRD, Govt. of India
- (nnnnn) Delivered invited lecture as expert speaker on Geological materials and their engineering applications on 23rd April 2016 in ISTE short term training programme at College of Engineering & Technology, Akola.
- (ooooo) Delivered a invited lecture at College at Warvat Bakal, Buldhana District in the IQAC workshop on 19th March 2016
- (ppppp) Successfully organised one day NAAC Accreditation Awareness Workshop for Affiliated Colleges Internal Quality Assurance Cell 27th June 2015 Amravati in the capacity of Director, IQAC
- (qqqqq) Successfully organised one day regional workshop on "Policy Framing for Skill Development in Higher Education: Skill India, Make in India & Make in Maharashtra, Start up India in collaboration with IQAC and Govt. Of Maharashtra 21st May 2016 Amravati in the capacity of Director, IQAC
- (rrrrr) Successfully organised State level workshop on National Education Policy Internal Quality Assurance Cell 2nd Oct., 2016 Amravati in the capacity of Director, IQAC
- (sssss) Successfully organised Orientation Program for 1st Year Students Internal Quality Assurance Cell 18th & 19th Sept., 2017 Amravati in the capacity of Director, IQAC
- (ttttt) \ Successfully organized One Day Workshop on NAAC Accreditation Awareness for Affiliated
(uuuuu) Colleges in Amravati and Yavatmal Dts. in collaboration with IQAC & Shri Shivaji Science College, Amravati 23rd November, 2017 in the capacity of Director, IQAC
- (vvvvv) Successfully organised One Day Workshop on NAAC Accreditation Awareness for Affiliated Colleges in Akola and Buldana Districts in collaboration with IQAC & Shri Shivaji Arts, Commerce & Science College, Akola 24th November, 2017 in the capacity of Director, IQAC
- (wwwww) Successfully organised One Day Workshop on NAAC Accreditation Awareness for Affiliated Colleges in Washim District in collaboration with IQAC & R.A. College, Washim 25th November, 2017 in the capacity of Director, IQAC
- (xxxxx) Successfully organised International Conference on "Future Prospective of Physical Education, Sports Sciences and Yogic Practices" in collaboration with Dept. of Physical Education & IQAC 15th & 16th December, 2017 at University Campus, Amravati in the capacity of Director, IQAC
- (yyyyy) Successfully organised Workshop on NET/SET Guidance in Mathematical Sciences in collaboration with Dept. of Math & IQAC, Adarsh Science College, Dhamangaon (Rly), RDIK, Badnera, GVISH, Amravati 22nd December, 2017 in the capacity of Director, IQAC

- (zzzzz) Successfully organised State Level workshop on preparation strategies and guidelines for PG Exams in Maths in collaboration with IQAC & Brijlal Biyani Science College, Amravati 20-22 January 2018 in the capacity of Director, IQAC
- (aaaaaa) Successfully organised UGC(CPE) and DST International conference on Recent Trends in Science and Technology in collaboration with IQAC & Innani Mahavidyalaya Karanja Lad, Washim Dt. 22-13 March 2018 in the capacity of Director, IQAC
- (bbbbbb) Successfully organised UGC Workshop on New Accreditation Methodology: An overview in collaboration with IQAC & Shri Shivaji College of Arts, Commerce & Science Akola 28 March 2018 in the capacity of Director, IQAC
- (ccccc) Successfully organised Workshop on Pre NAAC preparation in collaboration with IQAC & Innani Mahavidyalaya Karanja Lad, Washim Dt. 23 April 2018 in the capacity of Director, IQAC
- (dddddd) Successfully organised Workshop on NAAC new Accreditation in collaboration with IQAC & Arts Commerce College, Warwatbikal Buldhana Dt 31st July 2018 in the capacity of Director, IQAC
- (eeeeee) Successfully organised Workshop on Awareness about NAAC Assessment in collaboration with IQAC & Shri Shivaji Science College, Amravati 23rd October 2018 in the capacity of Director, IQAC
- (fffff) Successfully organised Workshop on NAAC new Accreditation in collaboration with IQAC & R.L.T. Science College, Akola 24th October 2018 in the capacity of Director, IQAC
- (ggggg) Successfully organised Workshop on NAAC New Guidelines in collaboration with IQAC & Amlokchand Mahavidyalay, Yaotmol 25th October 2018 in the capacity of Director, IQAC
- (hhhhh) Successfully organised UGC National Conference on self employability skills development in Physical education and sports science in collaboration with IQAC & Physical Education Dept, SGBAU 13-14 December 2018 in the capacity of Director, IQAC
- (iiiiii) Successfully organised State level workshop on Teaching Methodology need of today's higher education in collaboration with IQAC & Rajarshee Shahu Science College, Chandur Rly 4 January 2019 in the capacity of Director, IQAC
- (jjjjj) Successfully organised National Seminar on use of ICT in teaching learning and Evaluation in collaboration with IQAC & MSP Arts & KPT Commerce College, Manora 7-8 January 2019 in the capacity of Director, IQAC
- (kkkkk) Successfully organised FDP Workshop on revised NAAC Methodology for Principals, IQAC Coordinators of affiliated Colleges in collaboration with IQAC & RUSA, Maharashtra 29-31 January 2019 IQAC, SGBAU in the capacity of Director, IQAC
- (lllll) Successfully organised National Seminar on Revised Accreditation Framework and Institutional Preparation: An Overview in collaboration with IQAC & Vidyabharati College, Amravati 9 March 2019 in the capacity of Director, IQAC
- (mmmmm) Successfully organised Regional Workshop on New Accreditation Methodology: An overview in collaboration with IQAC & Shri Shivaji College of Arts, Commerce & Science Akola 28 March 2019 in the capacity of Director, IQAC
- (nnnnn) Successfully organised Workshop on revised NAAC Accreditation, NRF and RUSA-3 JD, Amravati, in collaboration with IQAC & GVIS&H, Amravati 26th April 2019 in the capacity of Director, IQAC
- (ooooo) Successfully organised Workshop on preparation for the forthcoming NAAC Accreditation in collaboration with IQAC, SGBAU 16th June 2019 IQAC, SGBAU in the capacity of Director, IQAC
- (ppppp) Successfully organised one day Assessors Orientation Programme for Vice chancellors, senior Professors and Principals at Sant Gadge Baba Amravati University in collaboration with NAAC, Bangalore on 18th November 2019 in the capacity of Director, IQAC,

- (qqqqqq) Successfully organised one week GIAN programme of MHRD on "History of Life and Mass Extinction events" with Professor Thierry Adatte from Lausanne University, Switzerland as the Coordinator of the programme for faculty, students and research scholars during 14th to 18th October 2019 at Sant Gadge Baba Amravati University
- (rrrrrr) Chairman Board of Studies in Geology, Sant Gadge Baba Amravati University, Amravati from 2019 onwards till date
- (ssssss) Member, Academic Council, Sant Gadge Baba Amravati University, Amravati from 2019 onwards till date
- (tttttt) Successfully participated in the "Spitting kills" Campaign during April-May 2020 to prevent the spread of COVID19 Pandemic.
- (uuuuuu) Successfully organised the one day National Webinar on "Revised NAAC Assessment and Accreditation Process" as the Convener on 4th July 2020.
- (vvvvvv) Successfully Coordinated as the Coordinator of the University the online training Course on "RS & GIS applications" conducted by the Indian Institute of Remote sensing, ISRO, Govt. of India during 02nd to 20th November, 2020.
- (wwwwww) Successfully Coordinated as the Coordinator of the University the online training Course on "Remote sensing of Land degradation" conducted by the Indian Institute of Remote sensing, ISRO, Govt. of India during 01-07 December, 2020.
- (xxxxxx) Successfully participated in the online workshop on English Communication Skills organised by the department of Lifelong learning & Extension during 16th to 20th July 2020.
- (yyyyyy) Participated in the IIGneous-2-2- organized by the Indian Institute of Geomagnetism from 29th May to 7th June 2020.
- (zzzzzz) Successfully completed the e-training on "Course on Geophysics for geoscientists" conducted by RTD,NER, GSI Training Institute, Shilling from 6th -11th July 2020 organized by the Geological Survey of India Training Institute, Hyderabad.
- (aaaaaa) Successfully completed the e-training on "Course on sub-surface structures and interpretation from geophysical data for application in mineral exploration" conducted by RTD,CR, GSI TI, Nagpur from 30th June to 4th July 2020 organized by the Geological Survey of India Training Institute, Hyderabad.
- (bbbbbb) Successfully completed the e-training on "Sustainable development and management of groundwater resources" organized by the Central Groundwater Board, North-western Region, Chandigarh from 14th to 16th September 2020.
- (cccccc) Successfully completed online course on "Advances in SAR- Polarimetry and interferometry" conducted by the Indian Institute of Remote sensing (IIRS), ISRO, Dehradun during 14th to 18th December 2020.
- (dddddd) Successfully completed online course on "Geographical Information system" conducted by the Indian Institute of Remote sensing (IIRS), ISRO, Dehradun during 28th September to 15th October 2020.
- (eeeeee) Successfully completed online course on "Geographical Information system" conducted by the Indian Institute of Remote sensing (IIRS), ISRO, Dehradun during 28th September to 15th October 2020.
- (ffffff) Successfully completed online IIRS outreach programme workshop on "Spatial industrialization and its applications" conducted by the Indian Space Research Organization (ISRO), Deptt. of Space, Govt. of India on 11th January 2021.
- (gggggg) Successfully completed online course on "Global Navigation Satellite system" conducted by the Indian Institute of Remote sensing (IIRS), ISRO, Dehradun during 14th to 25th September 2020.

- (hhhhhh) Successfully completed online course on "Understanding of Coastal Ocean Processes using Remote sensing and numerical modeling" conducted by the Indian Institute of Remote sensing (IIRS), ISRO, Dehradun during 21st to 25th September 2020.
- (iiiiiii) Successfully completed the e-training on "Sustainable development and management of groundwater resources" organized by the Central Groundwater Board, North-western Region, Chandigarh from 14th to 16th September 2020.
- (jjjjjj) Successfully running two extension service activities under TRDEA such as (i). Water resource development of rural parts of Amravati region and (ii) Groundwater quality testing of highly populated slums of Amravati city as the Coordinator as a part of social commitment and services to the poor.
- (kkkkkk) Successfully participated in National Level one week Faculty Development Programme on "Research Methodology" from 26th April to 1st May 2021 organized by Amar Sewa Mandal, Kamla Nehru Mahavidyalaya, Nagpur.

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 Paleomagnetism 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.
- (c) 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: IGP, 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 19 PhDs. 2 Ph.D Thesis submitted, 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, Egham Hill, Egham, Surrey-TW20OEX, United Kingdom.Tel:0044-1784-443614/443633; 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:courtill@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. 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
- 7 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
8. Dr.Rajan Zambre, CEO, Erallo Technologies, Inc, 20 Taylor St., Littleton, MA 01460 USA. e-mail: zambre@erallo.com
9. Prof. Dr. Gerta Keller, Department of Geosciences, Princeton University, Princeton NJ 08544 USA, e-mail: gkeller@princeton.edu
10. Dr. Brain Gertsch, Department of Earth, Atmospheric and Planetary Sciences, Massachusetts Institute of Technology, 77 Massachusetts Avenue, Bldg. 54-1126, Cambridge MA 02139, USA e-mail:bgertsch@MIT.EDU
11. Dr. Blair Schoene, Department of Geosciences, Princeton University, Princeton NJ 08544 USA e-mail: bschoene@princeton.edu
12. Prof. Samuel Bowring, Professor of Geology, Department of Earth, Atmospheric and Planetary Sciences. Massachusetts Institute of Technology (MIT), Cambridge MA 02139 USA, e-mail: sbowring@mit.edu
13. Dr. Thierry Adatte, Institut de Géologie et Paléontologie, University of Lausanne, Lausanne, Switzerland. *E mail:* thierry.adatte@unil.ch
14. Prof. Michael P. Eddy, Department of Earth, Atmospheric and Planetary Sciences, Purdue University, West Lafayette, IN 47907, USA. Email: mpeddy@purdue.edu
15. Dr. Mauricio Ibanez-Mejia from Department of Earth and Environmental Sciences, University of Rochester, Rochester USA. email: ibanezm@rochester.edu

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. Minor research project of UGC, New Delhi:**
- a. Project Title: "Petrological and geochemical investigations of Deccan Basalts and associated intertrappean exposed in various quarries of Rajahmundry, East Godavari District, A.P".
- b. Duration: 1 Year (1.4.2017- 31.3.2018)
- c. Total Cost: 1 Lakh.
- 11. Minor research project of UGC, New Delhi:**
- a. Project Title: Flow stratigraphy of lava flows exposed around Buldhana District with emphasis on search and identification of magmatic pulses for assessment of their role in the greatest Mass Extinctions of Earth history
- b. Duration: 1 Year (1.4.2018- 31.3.2019)
- c. Total Cost: 1 Lakh.
- 12. Minor research project of UGC, New Delhi:**
- a. Project Title: Flow stratigraphy and Petrogenesis of lava flows exposed around Jalgaon District Maharashtra.
- b. Duration: 1 Year (1.4.2019- 31.3.2020)
- c. Total Cost: 1.22 Lakhs.
- 13. 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/-

14. Innovative Programme of UGC, New Delhi

Received one more Innovative Programme of UGC to start PG Diploma in Remote sensing and GIS during XII plan as the coordinator with financial assistance of 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.

Research Projects undertaken: 01 ongoing

1. Major research project in collaboration with Oil and Natural Gas Commission, Rajahmundry on "Geochemical and stratigraphic studies of the Deccan Basalts in KG Basin and to correlate the results of Deccan Basalts of Western Ghats" is in good progress.

Major Research Projects submitted: 01

Research Projects on "Lunar Science centre":

Pre proposal on "Lunar Science Centre" was approved by the Rajiv Gandhi Science and Technology Commission, Mumbai as the Principal Investigator and final Major Research Project proposal with an outlay of Rs.10.99 crores was submitted with six Co-PIs after taking the approval of the MC along with the status of Centre of Excellence.

1. **Major Research Project of RGSTC, Mumbai** (Pre proposal has been approved by RGSTC, Mumbai and detailed Proposal has been submitted)
 - a. Project Title: "Science and Technology Centre for Lunar".
 - b. Duration: 3 Years
 - c. Total Cost: 10.99 Crores.

Special Lectures delivered at Conference/workshop/training programmes

1. Delivered expert lecture for ISTE approved short term training programme organized by the department of Mechanical and Chemical Engineering on sustainable materials and its Engineering applications on 23.4.2016 at College of Engineering & Technology, Akola.
2. Delivered 2 invited lectures in 24th July 2019 at UGC-HRDC SGB Amravati University in 45th orientation programme held during 16th July 2019 to 5th August 2019.

NET/SET/NEET Examinations conducted as the Observer:

2. Successfully conducted MH-SET examination as the observer on 23rd June 2019 at Dhanwate National College, Nagpur.

Remedial Coaching classes conducted:

Successfully conducted Remedial Coaching classes for M.Sc. Geology and PGDWTM courses from 2012 to 2020

Workshops Organized

Successfully organized one day workshop on "Policy Framing for Skill Development in Higher Education -Skill India, Make in India & Make in Maharashtra and Start up India jointly by Career Counseling Cell, Student Welfare Department & Internal Quality Assurance Cell (IQAC), Sant Gadge Baba Amravati University, Amravati on 21st May, 2016.

Contribution made for participation of University in NIRF 2016 to NIRF 2020 of MHRD, New Delhi

Contributed as the Nodal Officer regarding the participation of the Sant Gadge Baba Amravati University in the NIRF 2016, NIRF 2017, NIRF 2018, NIRF 2019 and NIRF 2020 of MHRD, New Delhi and secured position of 151-200 category at all India level ranking in NIRF 2017.

GIAN Programme of MHRD:

Successfully organized Global Initiatives in Academic Network (GIAN) sponsored by MHRD, New Delhi on "History of Life and Mass Extinction Events" during 14th-18th October, 2019 as the Coordinator with resource person Dr. Thierry Adatte from Lausanne University, Switzerland.

International Research Collaboration:

Established International research collaboration with Princeton University, USA, MIT, USA and Lausanne University, Switzerland and conducted field trip as the Team Leader for the International Team of Scientists for the last 10 years. Recently, established research collaboration with Michael P. Eddy, Department of Earth, Atmospheric and Planetary Sciences, Purdue University, West Lafayette, IN 47907, USA and Dr. Mauricio Ibanez-Mejia from Department of Earth and Environmental Sciences, University of Rochester, Rochester USA.

Sant Gadge Baba Amravati University Bulletin "ACE"

Prepared the Sant Gadge Baba Amravati University Bulletin "ACE" as the Chief Editor for catering the need of academic, co-curricular and extra-curricular achievements of students of all the affiliated colleges and University published in March 2017 till March 2020.

Internal Quality Assurance Cell of SGBAU

As the director of IQAC, performed all the necessary duties and responsibilities assigned by the University regarding the organization of workshop in skill development, API calculation, AQAR preparation and other NAAC related activities of the University since 20th November 2014 onwards till date. Procured A Grade by NAAC in 3rd cycle in January 2016 and trying the level best to get re-accredited 4th cycle by NAAC in 2021 so as to achieve the better Grade.

(II) 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 Adatte from University of Lausanne, Switzerland, Dr K.Mahender from Goa University,Goa and 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 Adatte 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. The PI had successfully established International research collaboration with Princeton University, USA, MIT, USA and Lausanne University, Switzerland and conducted a series of field trips as the Team Leader for the International Team of Scientists for 20 days each for the last 5 years from 2013 to 2018. Based on the international collaborative research, we had published one detailed research paper entitled “**U-Pb geochronology of the Deccan Traps and relation to the end-Cretaceous Mass Extinction**” in **SCIENCE with Impact Factor 37.205** in 15th January 2015. Another research paper entitled “**U-Pb constraints on pulsed eruption of the Deccan Traps across the end Cretaceous Mass Extinction**” was published in the 21st February 2019 edition by **SCIENCE with Impact Factor 41.845**. Recently, one more research paper entitled “**Mercury Links Deccan Volcanism to Climate Change and the End-Cretaceous Mass Extinction**” **Global and Planetary Change**, Elsevier, 194, 103312, September 2020, Impact Factor: **4.430**, ISSN No:09218181. Recently published research paper on “**U-Pb Zircon Age Constraints on the Earliest Eruptions of the Deccan Large Igneous Province, Malwa Plateau, India**” in **Earth and Planetary Science Letters**, ISSN: 0012-821X, **Impact Factor: 4.637**, V:540, 116249, March 2020.

The PI had also established international research collaboration with IPGP, University of Paris, France for the last 12 years and published one research paper entitled “**Determination of Rapid Deccan Eruptions across the Cretaceous-Tertiary boundary using Palaeomagnetic secular variation: 2. Constraints from analysis of eight new sections and synthesis for a 3600m thick composite section**” in **Journal Geophysical Research**, **Impact Factor: 3.147** in the 2008. Recently, he was successful in getting GIAN programme of MHRD to invite Prof. Thierry Adatte from the University of Lausanne, Switzerland to conduct a course on “**History of life and Mass Extinction events**” as the Coordinator.

Post Doctoral fellowship Awarded:

Dr. S.F.R.Khadri was awarded Postdoctoral fellowship for 3 months under International Research Collaborative work by the Lausanne University, Switzerland during 2021.

15. 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, Ujjain	1993 Awarded
2	Shri. R.G. Nagar	Petrology and Palaeomagnetism of a part of Mandu Plateau, Dhar District, M.P.	Vikram, Ujjain	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, Ujjain	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	SGB Amravati	2005 Awarded
10	Shri P.S. Ingle	Flow stratigraphy and Palaeomagnetism of Narnala Fort Volcanics, Amravati and Akola districts, Madhya Pradesh	SGB Amravati	2011 Awarded
11	Shri S.S. Deshmukh	Hydrogeological and petrographic investigations of Katepurna River basin with emphasis on watershed management in Akola District, Maharashtra	SGB Amravati	2013 Awarded
12	Shri P.A. Suple	Hydrogeology and petrology of Vidrupa River basin with emphasis on watershed management in Akola District, MS.	SGB Amravati	2013 Awarded
13	Shri G.V. Pradhan	Petrology, Stratigraphy and Palaeomagnetism of Khangdo Volcanics, Gavilgarh hill range, Amravati district, (MS)	SGB Amravati	2013 Awarded
14	Shri N.R. Kokate	Hydrogeological studies on Morna river basin, MS with reference to water resource management	SGB Amravati	2014 Awarded
15	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	SGB Amravati	April 2016 Awarded
16	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	SGB Amravati	April 2016 Awarded

S	Name	Title of Thesis	University	Year
		sensing and GIS techniques		
17	Ms Vani Turlapati (ES)	Geophysical and remote sensing studies on Narayanpet-Maddur Kimberlites field, India with emphasis on environmental impact	SGB Amravati	April 2017 awarded
18	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	SGB Amravati	April 2017 awarded
19	Mayura M. Deshmukh(G)	Flow stratigraphy and geochemistry of Asirgarh Volcanics, Burhanpur District, Madhya Pradesh.	SGB Amravati	June, 2019 Awarded
20	Nitish Chauhan (G)	Petrology, stratigraphy and palaeomagnetism of Lonar Volcanics, Buldhana District, Maharashtra	SGB Amravati	Ph.D. Thesis submitted January 2021
21	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	SGB Amravati	Ph.D. Thesis submitted January 2021
		(b) On-going		
1	Mangesh S Akotkar (G)	Hydrogeological investigations of the Arna (Megha) River basin of Amravati District, Maharashtra and Betul District of Madhya Pradesh with emphasis on groundwater management	SGB SGBAU	Registered January 2021

Annexure-1

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

(i) International

1. Assessment of Land use and land cover changes in Pangari Watershed area 2 (MS), India based on the remote sensing and GIS techniques,(with Chaitanya Pande and Kanak Moharir) Springer journal Applied Water Science (2021) ISSN 2190-5495 (Online) <https://doi.org/10.1007/s13201-021-01425-1>
2. Estimation of crop and forest biomass resources in a semi-arid region using satellite data and GIS (with Chaitanya Pande,Kanak Moharir, SudhirKumar Singh, Abhay Varade, Ahmed Elbeltagi,Khadri SFR,Pandurang Choudhary) **Journal of the Saudi Society of Agricultural Science**, h-index: 34, Impact Score: 6.46 (March 2021), ISSN No:1658077X, pp: doi: <https://doi.org/10.1016/j.jssas.2021.03.002>
3. Mercury linked to Deccan Traps volcanism, climate change and the end-Cretaceous mass extinction, 2020 (with GertaKeller, PaulaMateo, Johannes, Monkenbusch, Nicolas Thibault, Jahnvi Punekar, Jorge E. Spangenberg, Sigal Abramovich, Sarit Ashckenazi-Polivoda, Blair Schoene, Michael P. Eddy, Kyle M.Samperton, Khadriu S.F.R Thierry Adatte) **Global and Planetary Change**, Elsevier, 194, 103312,September 2020, Impact Factor: 4.430,ISSN No:09218181, <https://doi.org/10.1016/j.gloplacha.2020.103312>, pp1-17.
4. U-Pb Zircon Age Constraints on the Earliest Eruptions of the Deccan Large Igneous Province, Malwa Plateau, India. (with Michael P. Eddy, Blair Schoene, Kyle M. Samperton, Gerta Keller, Thierry Adatte) **Earth and Planetary Science Letters**, ISSN: 0012-821X, Impact Factor: 4.637, V:540, 116249, March 2020 <https://doi.org/10.1016/j.epsl.2020.116249>
5. Evaluation of land use/land covers change detection mapping based on geospatial technology for Pangari Watershed of Maharashtra, India (with Chaitanya Pande and

- Kanak Moharir) Paper submitted to Elsevier Journal, International Journal of Applied Earth Observations and Geoinformation, Geocarto International, (manuscript ID : TGEI-2019-0300).
6. Major Earth element geochemistry of Asirgarh Volcanics, Burhanpur District, MP. (with Mayura Deshmukh) International Educational research Journal, E-ISSN No: 2454-9916, vol: 5, issue:3 March 2019, pp22-24.
 7. U-Pb constraints on pulsed eruption of the Deccan Traps across the end Cretaceous Mass Extinction (with Blair Schoene, Michael P. Eddy, Kyle Samperton, C. Brenhin Keller, Gerta Keller and Thierry Adatte) **Scienceö 5 year Impact Factor: 41.845**, Vol: 363, ISSN No: **0036-8075 (print)**, pp: 8626866 (2019) 22 February 2019
 8. Study of land use classification in an arid region using multispectral satellite images (with Chaitanya B Pande, Kanak M Moharir, S.F.R.Khadri and Sanjay Patil) Applied water science, Springer Berlin Heidelberg, **ISSN 2190-5495 (Online)** Volume 8 Issue 5 pp123, 1.9.2018.
 9. Petrography of Asirgarh Volcanics, Burhanpur District, Madhya Pradesh (with Mayura Deshmukh), JASC Journal of Science and Computations, ISSN No:0076-5132, Vol.5, Issue 5 May 2018 pp: 122-128,
 10. Assessment of Groundwater potential zonation of Mahesh River basin Akola and Buldhana Districts, Maharashtra, India using Remote sensing and GIS techniques (with Chaitanya Pande, Kanak Moharir and Patode) Springer International Journal of sustainable water resource management, ISSN 2363 DOI 10.1007/s40899-017-0193-5, September 2017
 11. Flow mapping and correlations of the Deccan basalt lava flows, North-East Maharashtra, India (with M.S. Deshmukh and A.D. Bhad) International Journal of Earth Sciences and Engineering, Vol:9, No.5, October 2016, ISSN 0974-5904, Vol. 09 No.05 pp: 2031-2033.
 12. Land use/cover disturbance due to increase in urbanization Man River Basin of Akola Buldhana Districts, MaharashtraóIndia: A remote sensing and GIS based approach (with Kanak Moharir) Compusoft, ISSN: 2320-0790, May 2016, Vol: 5, Issue 5, Impact Factor: ICV 7.43, pp: 2111-2114.
 13. Geographical Information System Based Morphometric Analysis Of Man River Basin, Akola and Buldhana Districts (with Kanak Moharir) International Journal Of Pure and Applied Research In Engineering And Technology, IJPRET, ISSN: 2319-507X, May 2016; Impact Factor: 4.226 Volume 4 (9),pp: 137-150.
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 15. GIS based analysis of Groundwater variation in Mahesh River Basin, Akola and Buldhana Districts, Maharashtra, India(with Chaitanya Pande), International Journal of Pure and Applied Research In Engineering and Technology, IJPRET, ISSN: 2319-507X, May 2016; Impact Factor: 4.226 Volume 4 (9),pp: 127-136.
 16. Geo-environmental resource management in Mahesh River basin in Akola and Buldhana districts, Maharashtra using Remote sensing and GIS techniques, (with Chaitanya Pande), International Journal Of Pure and Applied Research In Engineering And Technology, IJPRET, ISSN: 2319-507X, May 2016; Impact Factor: 4.226 Volume 4 (9),pp: 151-163.
 17. Morphometric analysis of GP2 sub - watershed using Remote sensing and GIS techniques in Buldhana district of Maharashtra India, (with Nitesh Chauhan), International Journal Of Pure and Applied Research In Engineering And Technology, IJPRET, ISSN: 2319-507X, May 2016; Impact Factor: 4.226 Volume 4 (9), pp: 164-172.

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(iii) Chapter in Books Published and in Press:

1. Watershed Planning and Development Based on Morphometric Analysis and Remote Sensing and GIS Techniques: A Case Study of Semi-Arid Watershed in Maharashtra, India, (with Chaitanya Pande, Kanak Moharir and Khadri, S.F.R), Book Title: Groundwater Resources Development and Planning in the Semi-Arid Region, Springer Nature Publisher, Chapter https://doi.org/10.1007/978-3-030-68124-1_11 (in press)
2. Geomorphological evolution of the Morna River Basin with reference to soil texture analysis using Remote sensing and GIS techniques, Chapter in the book "Water resources, irrigation practices and sustainable agriculture" Editor: R.N. Tiwari, Excellent Publishers, New Delhi, March, 2018, ISBN: 978-93-86238-49-8, pp: 52-57.

3. Hydro-chemical investigation and quality assessment of groundwater in Mahesh River Basin, Akola and Buldhana Districts, Maharashtra, India. (With Chaitanya Pande), Chapter in the book "Groundwater" Editor: R.N.Tiwari, Excellent Publishers, New Delhi, January, 2017, ISBN: 978-93-86238-15-3, pp: 77-85.
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6. Remote Sensing and GIS Applications in Hydrogeological Studies with Reference to Morna River Basin, Akola District, Maharashtra, India. Published in a book entitled "Water and Environment" ISBN - 978-93-84935-25-2, Editor: Rabindra N. Tiwari January 31, 2015, pp: 1-9, Publisher: Excellent Publishers, New Delhi.
7. Terrain evaluation of the Asirgarh region, Burhanpur district, MP. Published in a book entitled "Watershed Management for sustainable development" edited by R.N.Tiwari and G.P. Pande, Excellent Publications, New Delhi June 2014, ISBN No: 978-93-83083-82-4, pp: 27-35.
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(iv) International Conferences/Seminar proceedings:

1. Paroxysmal Deccan Eruptions linked to End-Cretaceous Mass Extinction (Thierry Adatte, Gerta Keller, Jorge E. Spangenberg, Paula Mateo, Jahnvi Punekar, Johannes Monkenbusch, Nicolas Thibault, Sigal Abramovich, Blair Schoene, Michael P. Eddy, Kyle Samperton, and Syed F.R. Khadri) April 27 2021, 1.3, virtual PICO presentation (vPICO) at the virtual EGU General Assembly 2021: EGU21-10700, EU General assembly online conference on Mass Extinctions, Volcanism, Impacts and Extreme Environmental Changes, SSP Chairpersons: Alicia Fantasia, David Bond, Nicolas Thibault
2. "U-Pb Zircon geochronology of the southern Malwa Plateau basalt, Deccan Traps, India" Dr. S.F.R.Khadri has jointly submitted a research paper with overseas partners (Michael Eddy, Blair Schoene, Kyle Samperton, Gerta Keller and Thierry Adatte) entitled for the Geological Society of America Annual meeting to be held in Phoenix, Arizona, USA during 22-25 September 2019 .
3. "Mercury links Deccan Volcanism to climate change and the end of End Cretaceous Mass Extinction." Dr. S.F.R.Khadri has jointly submitted a research paper with overseas

- partners (Gerta Keller, Paula Mateo, Thierry Adatte, Jahnavi Punekar, Joerge E. Spangenberg, Michael Eddy, Blair Schoene, Kyle Samperton, Johannes Monkenbusch and Nicolas Thibault) entitled for the Geological Society of America Annual meeting to be held in Phoenix, Arizona, USA during 22-25 September 2019 .
4. "Timing and Paleoenvironmental implications of Deccan Volcanism relative to the KPG extinction" Dr. S.F.R.Khadri has jointly submitted a research paper with overseas partners (Thierry Adatte, Gerta Keller, Font Eric, Mateo Paula, Jahnavi Punekar, Cujean Sebastien, Lorenzo Valentin, Blair Schoene and Michael Eddy) Geological Society of America Annual meeting to be held in Phoenix, Arizona, USA during 22-25 September 2019.
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 7. "Past and Future Mass Extinctions, Climate and Environmental Change: where do we stand?" Dr. S.F.R.Khadri has jointly submitted 3 research papers with overseas partners for the forthcoming European Geosciences Union General Assembly held during 8-13 April 2018 at Vienna, Austria
 8. "Mercury Chemostratigraphy links Deccan volcanism to global climate change, biotic turnover, end-Cretaceous mass extinction and delayed recovery" by Gerta Keller et al. from the Princeton University, USA (Ref No: EGU2018 -10308). 8-13 April 2018 at Vienna, Austria
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 11. Groundwater level fluctuation mapping in Basaltic lava flows of Mahesh River basin, Akola and Buldhana Districts, Maharashtra (With Chaitanya Pande) International Conference on "Innovations in Science & Technology: Opportunities and Challenges" organized by COET, Akola and ISTE, New Delhi, **ISSN: 2319-507X**
 12. Assessment of Land use /Land cover variation in Akola Taluka, Maharashtra, India, using Remote sensing and GIS Technology (with R.B. Pande, Chaitanya Pande and Rajan Zambre), International Conference on "Innovations in Science & Technology: Opportunities and Challenges" organized by COET, Akola and ISTE, New Delhi, **ISSN: 2319-507X**
 13. Academic and administrative audit-its necessity and importance National Conference on Academic and Administrative Audit of HEIs ISBN. No:**978926186-6-11, pp: 56-63**
 14. Accelerating Deccan eruptions and run away climate change 106-7 9:30 AM (Keller, Gerta*; Adatte, Thierry; Punekar, Jahnavi; Mateo, Paula; Spangenberg, Jorge; Schoene,

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 18. 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.**
 19. 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.**
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 24. 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 Conference on Interdisciplinary Applications of Remote Sensing and Geographic Information Systems (ICIARSGIS-2013), 25th ó 27th April 2013, K J Somaiya College of Science and Commerce, Vidyavihar, Mumbai.

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