

## CURRICULUM VITAE



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**Dr. Mrs. Vrushali R. Kinhikar**

### OBJECTIVE:

To realize my potential in challenging situation & developed my capabilities through learning process.

### EDUCATIONAL QUALIFICATIONS:

Degree	University	Year of Passing	%	Subject Taken
Ph.D. In Chemistry	RTMNU University	Awarded on 31 <sup>st</sup> December 2008	—	"Diffusion rate studies in the scavenging of waste water streams for their dissolved metal content".
M.Sc. (Organic Chemistry)	SGBU University	2000	69.00 %	Organic Chemistry

### • **Work experience (in chronological order).**

S.No.	Positions held	Name of the Institute	From	To
1	a) Analyst	a) Bhagyashree Analytical Laboratories	2001	2008
	b) Contributor lecturer	b) Lady Amritabai Daga College, Nagpur.	2006	2007
	c) Contributor lecturer	c) M.P. Deo Memorial Science College Nagpur	2007	2008
3	Lecturer	Shri Datta Meghe Polytechnic	2008	2009
4	HoD /Dean of First year Department	G.H. Rasoni Institute of Engineering & Technology (with NAAC Accredited A+ Grade)	2012	2019 September 23 <sup>rd</sup> .
5	Presently working as a Assistant Professor, Department of Chemistry	SSES Amt's Science College Congress Nagar, Nagpur-12	24 <sup>th</sup> September 2019	Till date
Total Experience in various field: - 18 years Teaching Experience 08 years Industrial Experience Total Experience : 26 years				

- **Patents Published**

S. No	Patent Title	Patent No.	Award /Publication date	Agency/Co untry	Status
1	Solar Charger for Mobile Phones	Application No. E-2/2679/2015/MUM.	13/05/2016	Indian	Published
2	Fluid Cracking (FCC)Process Method For Manufacturing Propylene and Ethylene.	202221011378	03/03/2022	Indian	Published
3	Producing Biodiesel From Oleaginous Seeds	202241007316	11/02/2022	Indian	Published
4	Air Ionization Apparatus To Purify Air	390910-001	23/07/2023	Indian	Design Granted

- **Books Publication**

Sr. No.	Title	Publisher	ISSN/ ISBN No.	No. of Co-authors	Whether you are the main author
1	“Analysing And Compiling So <sub>2</sub> Exhausts From India's Coal-Based Thermal Power Plants”	Ideal International E-Publication	ISBN:978-81-968040-6-0	01	Yes

- **Books Chapter Publication:**

Sr. No.	Title	Publisher	ISSN/ ISBN No.	No. of Co-authors	Whether you are the main author
1	"Chitin-Chitosan - Myriad Functionalities in Science and Technology,Blended Composites of Chitosan: Adsorption Profile for Mitigation of Toxic Pb (II) Ions from Water”	International Publication in Intech Open publication	978-1-78923-407-7	02	No
2	“Green Energy Strategies Towards Sustainable Development for Environment and Society”	Fern International Publication, Pune	ISBN: : 978-81-959050-0-3 Pub. Date: 31/01/2023 Volume: I	NIL	Yes

- **Research Projects:**

S. No.	Title	Agency	Period	Grant/Amount Mobilized(Rs. Lakh)	Completed/Ongoing
1	AICTE approved FDP for 2 weeks on “The Multidisciplinary Nature of Environment, Environmental Ethics & Issues”.	AICTE	2016-2017	Rs. 3,07775/-	Completed

- **Research Students for Ph.D. :**

Sr. No.	Name of Student	Title	Ph.D. Perusing	Thesis Submitted	Degree awarded
1	Shraddha Zade	“Adsorption Equilibrium Studies of Porous Adsorbents and Modified Adsorbents in Scavenging of Heavy Metal Ions from Aqueous Solutions”.	Yes	--	--
2	Sarita Walodkar	“Studies On Adsorption Parameters and Scavenging Of Heavy Metal Ions From Aqueous Phase Using Cost Effective Adsorbents”	Yes	--	--
3	Megha Tabhane	“Preparation of efficient adsorbents for scavenging of heavy heavy metal ions from aqueous solutions”	Yes	--	--

- **Achievements /Awards/Fellowship**

S. No	Name of Award	Awarding Agency	Year
1	Awarded with Fellowship/scholarship at LIT during Ph.D. for best academic career and working	LIT, Nagpur	2002
2	Women’s Achievers Award-2016	JCI , Nagpur & Times of India.	2016
3	Best Women Researcher Award	IJIEMR-Elsevier SSRN	2021
4	Best Researcher Award	S.S.E.S. Amt’s Science College Congress Nagar, Nagpur.	2022
5	Dr. Sarvepalli Radhakrishnan Best Teacher Award" at Vijaywada, by the hands of Hon'ble Prof. Rama Mohan Rao, Vice Chairman Andhra Pradesh, State Council of Higher Education Govt. of Andhra Pradesh.	Society for Learning Technology	2023

• **Invited Lectures / Resource Person:**

Sr. No.	Title of the Invited lecture	Title of Conference / seminar	Organized by	Level International/ National/State / University
1	Expert lecture on “Construction Materials” on 6 <sup>th</sup> October 2015.	Guest Lecture	G.H. Rasoni Academy of Engg. & Technology Nagpur	State
2	“Methods of Data collection and Analysis of data” on 31 <sup>st</sup> August 2016.	One day workshop on Research Methodology	G.H.Rasoni Engg. College Nagpur	State
3	As a "Chair-person" in the ICN:3I 2017 on theme “Diverse applications”	International conference on, “Nanotechnology : Ideas, Innovations & Initiatives ICN-2017” IIT Roorkee.	IIT Roorkee.	International
4	Session on “Handling Benzene and its Derivatives” 31/12/2022	Value Based Online Course On “Chemical Handling and Laboratory Safety” (CHLS-2021)	Shri. Shivaji Science college Amravati.	State
5	Session on “Handling Benzene and its Derivatives” from 20/08-2022 to 06/09/2022	Online Course On “Chemical Handling and Laboratory Safety” (CHLS-2021)	Shri. Shivaji Science college Amravati.	State
6	As a Chief Guest speaker on International Webinar on “Women in STEM” on 16/02/2022	International Webinar	Lakshmi Narain College of Professional Studies ,Indore, in association with Association of Chemistry Teachers(ACT),c/o, Homi Bhaba Centre of Science Education(TIFR) Mumbai in association with IUPAC-Global	International

			Women Breakfast(GWB).	
7	Key note speech on “Cyber Crime and Security”	International Virtual Congress	Online mode (Indore)	International

• **Reviewer & Referee for evaluation of Ph.D. Thesis :**

Sr. No	Reviewer/ Referee	University	No. of students
1	Referee	Various Universities	02
2	Referee		01
3	Reviewer	Scopus Journal	02

• **Paper Presentation in Seminars/ Conferences.**

Sr. No.	Title of the Invited lecture/paper presentations	Title of Conference / seminar	Organized by	Level International/National/State/University
1	“Removal of Heavy Metal ions by Activated Carbon”.	International conference on Chemistry for Mankind Innovative Ideas in Life Sciences” on 9 <sup>th</sup> to 11 <sup>th</sup> February 2011	Organized by PGTD Department of Chemistry, Nagpur	International
2	“Removal of Nickel (II) from Aqueous Solutions by Adsorption with Granular Activated Carbon(GAC)”	1 <sup>st</sup> International Science Congress Association- ISCA-2011.	Organized by Maharaja Ranjit Singh professional college, Indore on 24 <sup>th</sup> & 25 <sup>th</sup> Dec 2011.	International
3	“Use of GAC for Removal of Heavy Metal ions from Aqueous solution”	“International Conference on futuristic Materials and Emerging Trends in Forensic and Life Sciences” on 5-7 <sup>th</sup> February 2015	Organized by, PGTD department of Chemistry , RTMNU, Nagpur.	International
4	"Removal of Metal ions from wastewater by adsorption Technology"	4th National Conference on Advanced research Trends in	G.H.Raisoni Institute of engineering ,Nagpur	National

		Science"NCARTS-2016		
5	"By Adsorption with Granular Activated Carbon removal of cobalt(II) from aqueous solution	National Conference on Recent Innovation in Science ,engineering and Technology.	G.H.Raisoni Institute of Engineering and Technology for Women ,Nagpur	National
6	A Comparative Study of Removal of Copper (II) & Nickel (II) Using Granular Activated Carbon.	International conference on, "Nanotechnology: Ideas, Innovations & Initiatives ICN-2017"	IIT Roorkee, December 06 -08 2017	International
7	"Kinetics And Adsorption Study Of Heavy Metal Ions On F400 Granular & Modified Activated Carbon"	International Conference on "Energy and Environmental Challenges"	VNIT Nagpur to 18/01/2019 19/01/2019.	International
8	"Adsorption & Kinetic Studies on the removal of $\text{Co}^{2+}$ and $\text{Ni}^{2+}$ from aqueous solution by the use of Granular Activated Carbon"	National Conference on Innovative Research in Science & Technology NCIRST-2019	Shri Shivaji Science College Amravati 17/12/2019 to 18/12/2019	National
9	Activated Carbon for adsorption study of $\text{Cu}^{2+}$ ions	National Conference on New Dimensions in Chemistry Chemistry Education & National Convention of Chemistry-(NCCT-2019)	Department of Chemistry ,SGBAU, Amravati 05/12/2019 to 07/12/2019	National
10	"Column adsorption study for the removal of heavy metal ions by GAC"	One Day Interdisciplinary Online International Conference On "Environmental Changes, Biodiversity And Sustainable Resource	Santosh Bhimrao Patil Arts, Commerce And Science College, Mandrup	International

		Management” Thursday, 10th September 2020		
11	Surface coverage and adsorption study of heavy uptaken by GAC	International Conference on "Surface Coverage and Adsorption Study of Heavy Uptake by GAC"	organized by Annamala University ,Faculty of Science from 28/08/2020 29/08/2020	International
12	“Adsorption study of F-400 modified granular activated carbon for the mixture of Cr:Co mixture metal ions”	“Recent Advances in Chemical Sciences(NCRACS -2020)	Shankarlal Khandelwal Arts, Science and Commerce College, Akola in collaboration with Amravati University Chemistry Teachers Association.	International
13	“Recovery of Adsorbed Metal ions from the Granular Activated Carbon”	One Day Interdisciplinary Online International Conference on , " Environmental Changes, Biodiversity, and Sustainable resource Management", on 10th September 2022	Organized by Santosh Bhimrao Patil Arts,Commerce and Science College Mandrup,Dist.Solapur.	International
14	“Adsorption & Kinetics study of Heavy metal ions Using Porous Activated Carbon” 25/03/2022 to 26/03/2022	International Conference on New Horizons and Trends in Chemical Sciences(ICNHTC S-2022)	Dada Ramchand Bhakru Sindhu Mahavidyalaya,Nagpur, in Association with ASNS.	International
15	“Granular Activated Carbon -Super adsorbent and Sustainable Material for Scavenging of Heavy Metal Ions”.	National Symposium on Functional Materials for Sustainable Development	The National Academy of Science ,India(NASI),Nagpur Chapter in Association with Rashtrasant Tukadoji Maharaj Nagpur University,Nagpur. 10/12/2022	National
16	“A Study of the Removal Characteristics of Heavy Metal From Wastewater By low-cost GAC as a Adsorbent”.	6 <sup>th</sup> International Science Young Scientist Congress(IYSC-	International Science Community Association (ISCA) in	International

		23)	collaboration with Graphics Era Deemed to be University, Deharadun , Uttarakhand, India on 8 <sup>th</sup> and 9 <sup>th</sup> May 2023.	
17	A Review -Commercial And Synthesized Activated Carbon Used For Scavenging Of Lead From Aquatic Systems Near Industrial Areas Research Students	National Symposium on “ Functional Materials for Sustainable Development”	The National Academy of Sciences ,India(NASI),Nagpur Chapter in Association with Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.	National
18	A Review On Adsorption As a Promising Approach In Scavenging The Contaminants From The Aqueous Solution.	National Symposium on Functional Materials for Sustainable Development”	The National Academy of Sciences ,India(NASI),Nagpur Chapter in Association with Rashtrasant Tukadoji Maharaj Nagpur University,Nagpur.	National
19	A Review Article: Environmental Impact of Air Pollution Management Policies and Related Research in India.	National Symposium on “ Functional Materials for Sustainable Development”	The National Academy of Sciences ,India(NASI),Nagpur Chapter in Association with Rashtrasant Tukadoji Maharaj Nagpur University,Nagpur.	National
20	A Review Article: Air Pollution at Human Scales in an Urban Environment: Impact of Local Environment and Related Research in India.	National Symposium on “ Functional Materials for Sustainable Development”	The National Academy of Sciences ,India(NASI),Nagpur Chapter in Association with Rashtrasant Tukadoji Maharaj Nagpur University,Nagpur.	National
21	A Review Article: “Environmental Effect of emissions by Thermal Power Plants in India”	108 <sup>th</sup> Indian Science Congress Association	RTMNU ,Nagpur 3 <sup>rd</sup> January 2023 to 7 <sup>th</sup> January 23.	International



22	A Review Article: Environmental Impact of Air Pollution Management Policies and Related Research in India.	National Symposium on “Functional Materials for Sustainable Development”	The National Academy of Sciences ,India(NASI),Nagpur Chapter in Association with Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.	National
23	A Review Article: Air Pollution at Human Scales in an Urban Environment: Impact of Local Environment and Related Research in India.	National Symposium on “Functional Materials for Sustainable Development”	The National Academy of Sciences ,India(NASI),Nagpur Chapter in Association with Rashtrasant Tukadoji Maharaj Nagpur University,Nagpur.	National
24	A Review Article: “Environmental Effect of emissions by Thermal Power Plants in India”	108 <sup>th</sup> Indian Science Congress Association	RTMNU ,Nagpur 3 <sup>rd</sup> January 2023 to 7 <sup>th</sup> January 23.	International
25	Role of Adsorbent to remove Heavy Metal ions From Waste Water.	International Conference on RTISS-2024	K.L. Mehta Dayanand College Faridabad 20/01/2024	International
26	Continuous Fixed Bed Adsorption of Heavy Metals Removal Using Granular Activated Carbon.	UGC Sponcered National Conference on Recent Advancements in Science and Technology. 10/02/2024	Vidya Bharati Mahavidyalaya ,Amravati	National
27	Chemically Activated GAC for Removal of Heavy Metal Ions from Aqueous Solution.	International Conference On Advanced Sustainable Futuristic Materials (Sustainable & Innovative Materials In Chemical, Physical And Biological Sciences) ASFM-2024	Kamla Nehru Mahavidyalaya Nagpur 26/04/2024 to 27/04/2024	International

28	Separation of Heavy Metal Ions by using GAC	National Conference on Multidisciplinary Research and Studies  20th March 2024	Jawaharlal Nehru Mahavidyalaya ,Wadi,Nagpur	National
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• **International Conference Participation:**

1. International conference on “Environmental impact and Integrated Approach for carbon management solutions Technology Development and pollution Abatement.” (RDEIM-IACM 2012) NEERI, Nagpur on 28-20 March 2012.
2. International conference on “Interdisciplinary Research and Development in management, Engineering and Technology and Social Sciences.” (ICMETSS -2012)Tuli Imperial, Nagpur on 28-29 April 2012.
3. International Conference on “Applications of Advanced Materials for Sustainable Development”organized by Dr.Ambedkar College ,Nagpur on 17-18<sup>th</sup> January 2014
4. “International Conference on futuristic Materials and Emerging Trends in Forensic and Life Sciences”on 5-7<sup>th</sup> February 2015 at PGTD department of Chemistry ,RTMNU, Nagpur.
5. International conference on “II nd World Congress for Man and Nature” Sevadal Mahavidyalaya Sakkardara Nagpur from 3<sup>rd</sup> to 5<sup>th</sup> November 2012.
6. International E-Conference on “Strategies & Challenges in Higher Education During Covid-19 ockdown period in India” Date:15-17/05/2020.
7. International Conference on Research Frontiers in Sciences (ICRF-2021)online , organized by G.H. Raisoni College of Engg. On 5-6 February 2021.
8. One Day A Multidisciplinary International Level e-conference on,“Impact of Environment on Agriculture, Health, Water Resources, Social life & Industrial Development” on 20<sup>th</sup> July 2021.
9. International Conference on New Horizons and Trends in Chemical Sciences(ICNHTCS-2022) Oral presentation on,” Adsorption & Kinetics study of Heavy metal ions Using Porous Activated Carbon”.

• **National Conference Participation**

1. National conference on “ Chemistry for the protection of Environment.”, Organized by Priyadarshini Institute of Engineering & Technology, Nagpur on 18<sup>th</sup> & 19<sup>th</sup> Dec. 2009 at Priyadarshini Institute of Engineering and Technology, Nagpur.
2. U.G.C. Sponsored National conference on “ Nano science & Technology (NCNST-2011)” Organized by Shri Shivaji science education society Amaravati’s science college, congress nagar, Nagpur on 21-22 Feb 2011
3. U.G.C. Sponsored National conference on “Materials: Atom to Molecule” Organized by Shri Shivaji science education society Amaravati’s science college, congress nagar, Nagpur on 16<sup>th</sup> Dec. 2011.

4. National Conference on “Role of Basic Science in Emerging Industrial Scenario” jointly organized by The department of engineering Sciences & ISTE,PERMIT &R Chapter, by Prof. Ram Meghe Institute of Technology & Research, Amravati on 8<sup>th</sup> April 2012.
5. “National Conference on Advanced Materials for Engineering and Technology (NCAMET-2012).” 6<sup>th</sup> March 2012 at Priyadarshini college of Engineering, Nagpur.
6. 4<sup>th</sup> National conference on “Advanced Trends in Sciences(NCARTS-2016)” Under TEQIP-II & GHR Labs & Research Centre by Departments of First year Engineering at G.H. Rasoni College of Engineering, Nagpur on 3<sup>rd</sup> January 2016.

<b>Sr. No.</b>	<b>Title with page nos.</b>	<b>Journal</b>	<b>ISSN/ ISBN No.</b>
<b>1</b>	“Nickel Adsorption From Aqueous Solution By F-200 GAC By Adsorption Technology.”.	International Journal of Advances in Technology and Engineering Sciences	Vol I, Issue 7(V) April 2012. (ISSN No.2249-7455)
<b>2</b>	“Granular Activated carbon – A good adsorbent for removing metal ions from aqueous solution.”.Amaravati,28 <sup>th</sup> Feb 2012. ( ISBN No.978-	National Seminar on Technology innovations with environmental integrity”	81-922256-5-4.
<b>3</b>	“Removal of Nickel (II) from Aqueous Solutions by Adsorption with Granular Activated Carbon(GAC)”	International Journal of Chemical Science.	Vol. 2(6),6-11,June (2012).(ISSN No. 2231-606X)
<b>4</b>	Scavenging of Copper(Ii) From Aqueous Solution Using Granular Activated Carbon.”	International Journal of Research in Bioscience , Agriculture & Technology.	ISSN. No 2347-517X online, Jan 2014
<b>5</b>	Adsorption Technology-Comparative Study of GAC Carbon Used as Adsorbent for Removing Heavy Metal Ions from Aqueous Solution.	IJCPS Journal	Vol 4 Issue 1, Jan-Feb 2015
<b>6</b>	By Adsorption with Granular Activated Carbon Removal of cobalt(II) from Aqueous solution,	“Recent Innovations in Science, Engineering & Technology”	2016 (ISBN No. ISBN 978-93-5254-677
<b>7</b>	“Adsorption study of Copper (II) on F100 Granular Activated Carbon by Adsorption Technology” “-2017 ISBN978-	IJCPS Journal	ISBN978-935268-408-3. Vol 6 Issue 3, May - Jun 2017.

	935268-408-3.		
8	Cobalt and Nickel Adsorption on coal based granular Activated Carbon F-200 & F-100.	International Journal of Emerging Technologies in Engineering Research (IJETER)	Volume 6, Issue 3, March (2018).
9	Adsorption study on F-400 Modified Granular Activated Carbon for the different ratio of Cr: Ni & Ni:Cr metal ions.	Journal of Emerging Technologies and Innovative Research (JETIR)	(ISSN-2349-5162)
10	Adsorption and Kinetic studies on the removal of $\text{Co}^{2+}$ and $\text{Ni}^{2+}$ from aqueous solution by the use Granular Activated Carbon.	Journal of Emerging Technologies and Innovative Research (JETIR)	(ISSN-2349-5162)
11	Adsorption Study on Modified F-400 Modified Granular Activated Carbon	Vidyabharti International Interdisciplinary Research Journal	ISSN-2319-4979
12	“Adsorption Study On F-400 Modified Granular Activated Carbon For The Mixture Of CR: CO Metal Ions” (Page no. 530 to 536)	Vidyabharati International Interdisciplinary Research Journal	ISSN 2319-4979., May 2020-21
13	“Column adsorption study for the removal of heavy metal ions by GAC”. (Page no. 218 to 221)	Akshar Wangmay International Research Journal	ISSN 2229-4929, Sept 2020-21
14	Surface technology-adsorption and kinetic of heavy metal ions on modified granular activated carbon by batch study and their recovery study. (Page No. 1 to 7)	Journal of Physics:	1913 (2021) 012089 IOP Publishing doi:10.1088/1742-6596/1913/1/012089
15	Surface technology-adsorption and kinetic of heavy metal ions on modified granular activated carbon by batch study and their recovery study. (Page No. 1 to 7)	Journal of Physics:	1913 (2021) 012089 IOP Publishing doi:10.1088/1742-6596/1913/1/012089

16	“Recovery and Reuse of Adsorbed Heavy Metal Ions by Adsorption Technology”	Journal of Scientific Research of The Banaras Hindu University.	Volume 65, Issue 8, 2021 101-105 2021
17	“Recovery of Adsorbed Metal ions from the Granular Activated Carbon”, A Multidisciplinary International Level Referred and Peer Reviewed Journal, Impact Factor-7.265, ISSN: 2230-9578, 20 July-2021, Volume-11, Issue-26.	'Journal of Research & Development'	A Multidisciplinary International Level Referred and Peer Reviewed Journal, Impact Factor-7.265, ISSN: 2230-9578, 20 July-2021, Volume-11, Issue-26.
18	“Adsorption Mechanism Of Heavy Metal Ions On Granular Activated Carbon.”	IJFANS International Journal of Food and Nutritional Sciences	ISSN PISSNRINISSNT 2319 1775 Online 23207876
19	Adsorption and Kinetics Study of RGAC and MGAC as a Adsorbent to Remove Heavy Metal Ions from aqueous solution By Surface Technology	Advances in Bioresearch	A Bimonthly Peer Reviewed ISI Indexed International Journal of Life Sciences] Online ISSN 2277-1573 Print ISSN 0976-4585 Impact Factor: 0.971 [UIF, Germany] GIF: 0.56 [Global Impact Factor, Australia] ICV 2018: 100.00 Web of Science Indexed

• **National Conference**

7. National conference on “ Chemistry for the protection of Environment.”, Organized by Priyadarshini Institute of Engineering & Technology, Nagpur on 18<sup>th</sup> & 19<sup>th</sup> Dec. 2009 at Priyadarshini Institute of Engineering and Technology, Nagpur.
8. U.G.C. Sponsored National conference on “ Nano science & Technology (NCNST-2011)” Organized by Shri Shivaji science education society Amaravati’s science college, congress nagar, Nagpur on 21-22 Feb 2011
9. U.G.C. Sponsored National conference on “Materials: Atom to Molecule” Organized by Shri Shivaji science education society Amaravati’s science college, congress nagar, Nagpur on 16<sup>th</sup> Dec. 2011.
10. National Conference on “Role of Basic Science in Emerging Industrial Scenario” jointly organized by The department of engineering Sciences & ISTE, PERMIT & R Chapter, by Prof. Ram Meghe Institute of Technology & Research, Amravati. on 8<sup>th</sup> April 2012.

- **Participation in Short Term Training Programs (STTP)**

1. ISTE approved 1 week STTP on “Integrated Approach Towards Teaching Learning Methodology for Engineering colleges.” On 24<sup>th</sup> -28<sup>th</sup> April 2012 ,HVPM, Amravati.
2. ISTE-PTU approved 1 week FDP on “Challenges in Environmental Protection and Green Technology” Organized by H.V.P.M.,Amravati on 21<sup>st</sup> to 25<sup>th</sup> April 2014.
3. ISTE approved 1 week STTP on “Disaster Risk Reduction” from 1<sup>st</sup> August to 5<sup>th</sup> August 2016 at Govt. Polytechnic , Nagpur.
4. ISTE approved 1 week STTP on “ Interpersonal Interactions at workplace Ethics & Behavior” 24<sup>th</sup> July to 28<sup>th</sup> July 2017.at Govt. Polytechnic.
5. AICTE Approved, “The Multidisciplinary Nature of Environment, Environmental Ethics & Issues”.
6. One week AICTE sponsored short term training programme(STTP) on “Empowering Innovation with 3D Printing”.from 1<sup>st</sup> July to 6<sup>th</sup> July 2019 at Govy.Polytechnic Nagpur.

- **Seminar, Symposiums & Workshops attended:**

1. U.G.C. Sponsored National Seminar “New Frontiers in Pollution Prevention & Environmental Protection.” Organized by Lady Amritabai Daga College for Women of Arts,Commerce & Science & Smt. Ratnadevi Purohit College of Home Science & Home Science Technology. Nagpur on 1<sup>st</sup> & 2<sup>nd</sup> Feb 2006.
2. Workshop on “Leadership Development” Organized by G.H. Rasoni Academy for Human Excellence on 20<sup>th</sup> March2010.
3. Workshop on “ Research Methodology” Organized by G.H. Rasoni Institute of Engineering & Technology for Women, Nagpur on 7<sup>th</sup> Dec to 9<sup>th</sup> Dec 2011.
4. “Workshop on Curriculum Development” organized by RTMNU at Anjuman College of Engineering ,Nagpur on 27<sup>th</sup> December 2012.
5. Symposium in “Advancing Chemical Sciences as a part of RSC-IYC(International year of Chemistry) Challenge event”, organized by Royal society of Chemistry-West India Section in Association with Department of Chemistry, Institute of Science ,Nagpur on 31 August,2012.
6. Symposium in “Advancing Chemical Sciences as a part of RSC-IYC(International year of Chemistry) Challenge event”, organized by Royal society of Chemistry-West India Section in Association with Department of Chemistry ,RTMNU ,Nagpur on 31 August,2012.
7. “National Seminar on Technology innovations with environmental integrity”.on ,28<sup>th</sup> Feb 2012 organized by H.V.P.M. ,Amravati. & Chapter of Indian Society for Technical Education,New Delhi.
8. National seminar on”Modern methods in Oraganic Synthesis (MMOS-2017),PGTD department of Chemistry RTMNU Nagpur on 20-21 March 2017.
9. Workshop on “Curriculum Development of B.E.Ist Semester & II Semester(Applied Science & Humanities) ,RTMNU,on 6<sup>th</sup> February 2017 at Jhulelal Institute of Engineering & Technology,Nagpur.

10. "Alternate sources of Energy" CSIR- National Chemical laboratory ,Pune (Organized by GHRIET PUNE)from 5<sup>th</sup> December to 7<sup>th</sup> December 2018.
11. One day training programme on "Introduction to Indian Patenting Procedure" 20<sup>th</sup> February 2018,organized by GHRIETN.
12. "Workshop on Curriculum Development" organized by RTMNU at Priyadarshini Bhagwati College of Engineering,Nagpur on 18<sup>th</sup> June 2019.
13. National online Workshop on Operating Technique of Scientific Instruments in Laboratory Date: 11-15/05/2020 .
14. Awareness Workshop on "Covid-19" organized by Geotech GIC training Institute & Consultancy Services, Aurangabad on 05/06/2020.
15. National level online workshop on,"Cybergogy:New art of teaching"26/05/2020 to 01/06/2020.
16. National level online workshop on,"Cybergogy:New art of teaching"organized by Aligarh College of Education ,Aligarh , Uttar Pradesh from 27<sup>th</sup> May 2020 to 1<sup>st</sup> June 2020.
17. Participated in the National Online Workshop on "Operating Techniques of Scientific Instruments in Laboratory"Organized by Shri R.L.T. College of Science, Akola during 11 to 15 May 2020.
- 18 Online workshop on "Education 4.0-Season II" organized by IQAC, Atharva College of Engineering held on 28th - 30th May 2020.
19. Workshop on Intellectual Property Rights (IPR-2020) Organized by Shri R.L.T. College of Science, Akola on Monday, 25th May 2020.
20. National Level One Week Faculty Development Programme On Research Methodology Organized By Kamla Nehru Mahavidyalaya ,Nagpur.
21. TEQIP-III SPONSORED Two Week Online International Fdp On "Multidisciplinary Research Innovation in Engineering, Science and Technology for Sustainable Development" **organized by Computer Science and Engineering Department, Bipin Tripathi Kumaon Institute of Technology Dwarahat Almora Uttarakhand), INDIA** (on October 26- November 7, 2020).
22. MS-DEED Level 1 Online Workshop on Introduction to Innovative Pedagogies for Science & Mathematics Undergraduate Teachers from 21st to 23rd December 2021 organized by IISER, Pune.

- **Webinars & Quiz Attended During Lockdown**

1. Days State Level online Webinar on "Learning Beyond AC Ademics: Explore Your Skills through Social and Emotional Councelling" Date: 15-17/05/2020 Time: 3.00 pm to 4.00pm.
2. Online Quiz on Covid-19 organized by Jawahar ASC College ,Andur on 05/03/2020.
3. Two day National Webinar on Dr. Ambedkar: Education and Social Justice Date: 13- 14/04/2020 Mahatma Gandhi AntarrashtriyaHindiVishwavidyalaya, Wardha.

4. Quiz on "History and Advancement of Periodic Table of Element" on dated 13/05/2020.
5. Sipna Reader's club for participation and giving useful suggestion regarding economic depression and prevention of Covid -19.
7. 3 Days State Level online Webinar on "Learning Beyond AC Ademics: Explore Your Skills through Social and Emotional Counselling" Date: 15-17/05/2020 Time: 3.00 pm to 4.00 pm. Nirmala Memorial Foundation College of Education, Mumbai Online platform: zoom.
8. History and Advancement of Periodic Table of Element" on dated 13/05/2020 Sipna Reader's club for Participation and giving useful suggestion regarding economic depression and prevention of Covid -19.
8. Online quiz to fight against Covid-19 organized by Jawahar Arts, Science and Commerce College, Anandur, Dist. Osmanabad. On dated 05/03/2020. 6) Covid-19 Awareness programme organized by Geotech GIS training institute of consultancy, Aurangabad, on 5/06/2020.
9. Quiz on "Indian Mythological Mahabharata" organized by Priyadarshini College of Engineering Near CRPF Campus, Hingna Road, Nagpur- 19 Lokmanya Tilak Jankalyan Shikshan Sanstha's Department of Applied Chemistry.
14. General Knowledge quiz organized by Priyadarshini J.L. college of Engineering on 29/05/2020.
15. Online Quiz on "Know your Environment" on 31/05/2020 organized by GHRCE, Nagpur.
16. Webinar on "Securing World wide Rights to your Invention via Patents" organized by Ramdeobaba College of Engineering, Nagpur on 28/05/2020.
17. Webinar on "Transaction Analysis in Education" on 26<sup>th</sup> May 2020 Organized by Webinar on, "Steps Towards Life-Chemistry" organized by Shri Shivaji Science College Amravati on 29/05/2020.
18. Webinar on, "Prevention of Covid-19 Present Situation" organized by Department of Economic & IQAC, Shri Shivaji Science College Amravati, 28/05/2020.
19. Webinar on, "NAAC Awareness Program for Affiliated Colleges" organized by Shri Shivaji Science College Amravati, 22/05/2020.
20. National Webinar on, "Dr. Ambedkar: Education and Social Justice" on 13/04.2020 to 14/04/2020 organized by Mahatma Gandhi Antarrashtriya Hindi Mahavidyalaya Wardha, MH.
21. Webinar on, "Full Stack Development Vs Traditional Development Platforms" conducted on 17/05/2020 organized by Vedant College.
22. National level Online Chemistry Quiz Competition, "History and Advancement in periodic table of elements" organized by Shri Shivaji Science College Motal, Dist. Buldhana on 13/05/2020.
23. Webinar on, "Innovative teaching and Learning through the digital Platform" on 29/05/2020 to 30/05/2020 organized by Shri Shivaji Science College Amravati.



- **Orientation Programme :**

- Induction Programm- "4-week Orientation /Induction programme for Favulties Universitis/ Colleges/Institutes of higher education" Organized by Ramanujan College University ,Delhi, from 01/07/2020 to 06/07/2020.
- Online Induction programme on Operating Technique of Scientific Instruments in Laboratory  
Date: 11-15/05/2020.

- **Faculty Orientation Programme:**

- Faculty Orientation Programme from 04/06/ 2020 to 01/07/2020 at Teaching learning Centre Ramanujan College, University Delhi.

- **Refresher course-**

1. UGC –Human Resource Development Centre ,RTMNU Nagpur University,Nagpur Online Refresher course on, “Science And Technology of Yog and Meditation.” From 10/01/2022 to 22/01/2022.

- DST sponsored, Training Program on R & Equipment, “Syngetic Training Program Utilizing the Scientific and Techological Infrastructure(STUTI)”at Pt. Ravishankar Shukla University ,Raipur by NIT Warangal from 22/09/22 to 28/09/2022.

- **Life Memberships**

1. Indian Science Community Association.(ISC) L 216
2. Indian Science Congresss Association.(ISCA) LM19880
3. IJCPS, International Journal of Chemical & Physical Science Journal ,Member in Editorial Board.
4. American Chemical Society ACS application no.32455618 (Application ID: 16DK28
5. Society For Learning Technologies LM 205.
6. Amravati University Chemical Association (AUTA)LM 269
7. Nagpur University Teachers Association (NUTA) LM 5839
8. The Indian Society For Technical Education(ISTE) LM66048
9. Vice President ,Kritika Bahuuddeshiya Mahila Santha, Nagpur., Reg. No.MH. 32/2000

- **Portfolio Handled**

- Working as Dean First Year for First year department in 2019 at GHRIET(Autonomous College)
- H.o.D. First Year from 2012-13 to 2014-15
- NAAC Criteria 1,2 6 ,7.

- Admission In-charge(GHRIET)
- College Magazine (Editor)In-charge
- RTMNU Theory Examination O.I.C.
- Facilitation Centre I/C for First year.
- FDP Coordinator.
- **DECLARATION:**

I hereby declare that the above information stated is true & correct to the best of my knowledge & belief. I shall produce any certificate as & when required.

Date: 27/09/2024

Place :Nagpur



Dr. Mrs. Vrushali R. Kinikar

Assistant Prof. Department of Chemistry Science College

Nagar,Nagpur-12

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