

## *Curriculum Vitae*

- Name:** Yogita K. Meshram
- Educational Qualification:** M.Sc. (Chemistry), SET, Ph. D
- Designation:** Professor
- Department:** Chemistry
- Area of specialization:** Organic Chemistry
- Address: Office:** SS.E.S Amt's Science College, Congress Nagar, Nagpur.  
E mail: [yogita.meshram@sscnapur.ac.in](mailto:yogita.meshram@sscnapur.ac.in)
- Teaching Experience:**
  - S.S.E.S Amt's Science College, Congress Nagar, Nagpur-25yrs
  - Dr. Babasaheb Ambedkar College, Chandrapur - 5 yrs
- Research Guidance:**
  - Ph. D Supervisor
  - Supervisor for PG students for their dissertation work
- Area of Research:** Environmental Chemistry, Organic Chemistry
- Paper Publications:** Total number publications -16  
Citation -39, i-10-1, h-index-4

### List of Publications:

S. N	Title with page nos.	Journal with ISSN/ ISBN No.	Whether peer reviewed. Impact factor, if any	No. of Co-authors	Whether you are the main author
1	Hydrochemistry of Groundwater from Bhadravati Tehsil, Chandrapur District, Maharashtra: With Special Reference to Fluoride Contamination, Special Volume No, 11, pp. 113-118. (2007)	Gondwana Geological Magazine, 0970-261X	Peer reviewed	3	No
2	Batch Adsorption Studies For The Removal Of Mn <sup>2+</sup> Ions Aqueous Solution. Vol 8 No.3A, pp. 645-650, (2014)	Journal Of Environmental Research and dev. 2319-5983	Peer reviewed	2	Yes

3	Adsorption Characteristics Of Manganese(II) On Granular Activated Carbon, 5(4),pp.25-29, (2014)	Der Chemica Sinica 0976-8505	Peer reviewed	2	Yes
4	Pevaluation Of Treatment Strategies For Removal Of Cobalt From Aqueous Solution, 6(4),pp.23-38, (2015)	Der Chemica Sinica 0976-8505	Peer reviewed	2	No
5	Chemical persistence in the biosphere: Global issue, Vol (II) issue(7), pp. 21-23, (2015)	International journal of researches in biosciences, agriculture and technology, 2347-517X	Peer reviewed	1	Coauthor
6	Ecofriendly liquid detergents based on linseed oil and rosin, issue (6),pp.393-396, (2015)	International journal of researches in biosciences, agriculture and technology, 2347-517X	Peer reviewed	1	No
7	To study the efficacy of granular activated carbon in removal of lead from aqueous solution, Vol. 10 (3),pp. 321-323,(2017)	BIONANO FRONTIER ISSN 0974-0678, ,	Peer reviewed	02	Yes
8	Studies on removal performance of porous adsorbent for Mn <sup>2+</sup> ions from aqueous solution,PP.233-237,(2018) DOI Paper : <a href="https://doi.org/10.29369/ijrbat.2018.01.1.097">https://doi.org/10.29369/ijrbat.2018.01.1.097</a>	International journal of researches in biosciences, agriculture and technology ISSN 2347 – 517X	Peer - reviewed	Nil	Yes
9	Relevance of isotherm models in adsorption of pb <sup>2+</sup> by an bioadsorbent ,Vol. II, pp.126-131, (2018)	International journal of researches in biosciences, agriculture and technology I J R B A T, ISSN 2347 – 517X	Peer - reviewed	Nil	Yes
10	Assesment of groundwater quality around nandgaon coal mines, district chandrapur (maharashtra) : <a href="https://doi.org/10.29369/ijrbat.2018.03.1.0052">https://doi.org/10.29369/ijrbat.2018.03.1.0052</a>	International journal of researches in biosciences, agriculture and technology e-ISSN 2347 – 517X	Peer - reviewed		Yes

10	Studies on adsorption characteristics of manganese onto coal based Chemically modified activated carbon, (2020)	Materials Today: Proceedings 29 (2020) 1185–1191	Scopus		Yes
11	Adsorption based recovery of cobalt using chemically modified activated Carbon, , (2020)	Materials Today: Proceedings 29 (2020) 1150–1155	Scopus		No
12	Synthesis of 1,3,4-thiadiazoles and its isomerization by neoteric route and antimicrobial activity, , (2020)	Vidyabharati International Interdisciplinary Research Journal (Special Issue June2020) 746-749	Peer reviewed		No
13	Carbon synthesis and antimicrobial evaluation of 2, 6, 9-trisubstituted purine derivatives at c2 position coupled with l-methionine	Vidyabharati International Interdisciplinary Research Journal (Special Issue June 2020) ISSN 2319-4979, 733-745	Peer reviewed	ISSN 2319-4979, 733-745	No
14	Equilibrium studies in adsorption of heavy Metals using modified granular activated, <a href="http://dx.doi.org/10.31788/RJC.2020.1345752">http://dx.doi.org/10.31788/RJC.2020.1345752</a>	Rasayan J. Chem., 13(4), 2302-2307(2020),	Scopus		Yes
16	Utilization of Granular Activated Carbon for Sustainable Environmental Contaminants Remediation <a href="http://dx.doi.org/10.13005/ojc/390631">http://dx.doi.org/10.13005/ojc/390631</a>	Oriental Journal OF chemistry ISSN : 0970 - 020X, ONLINE ISSN : 2231-5039	Scopus		Yes

### 10. Book Publications:

S. N.	Title	Publisher	ISSN/ISBN No.
1.	A Textbook of Environmental Chemistry And Pollution Control	AG Publishing House	978-81-19843-18-3
2.	A Textbook of Chemistry B.Sc. VI	Rajani Prakashan	978-93-83619-83-2
3.	A Textbook of Chemistry B.Sc. VI	Rajani Prakashan	978-93-83619-97-9

**11. Paper Presentation and participation in national /international conference /seminar /workshop:**

S. N	Name of title	National/International Agency	ISS N No	Paper presented	Year
1	Evaluation of the adsorptive performance of granular activated in scavenging contaminants from waste water	International Conferences on Advanced sustainable Futuristic Materials, organized by Kamala Nehru Mahavidyalaya Nagpur ,April 26-27 2024		Yes	2023-2024
2	Assessment of adsorption equilibrium data for the removal of toxic metals from aqueous phase	National Conference on Thermodynamical and biological system, organized by department of chemistry, RTM Nag Uni Nagpur and DST during 26 <sup>th</sup> - 28 <sup>th</sup> Oct 2023		Yes	2023
3	Ex-Situ Development Of Self-Sustaining Micro-forest Triveni Ravindra Fulkar 1,a) Yogita Mesharm 2,b) 1 PG, Nagpur page no 8	National Symposium on “Functional Materials for Sustainable Development” During 10-12 Oct, 2022 Organized by NASI, Nagpur Chapter in association with RTM Nagpur University, Nagpur		Yes	2022-2023
4	Removal of heavy metal ions and micro-plastics by adsorption:A critical review Page N0-115-116	National Symposium on “Functional Materials for Sustainable Development” During 10-12 Oct, 2022 Organized by NASI, Nagpur Chapter in association with RTM Nagpur University, Nagpur		Yes	2022-2023
5	Relevance of isotherm models in adsorption of heavy metals by using low cast adsorbent	International conference on new horizons and trends in chemical sciences(ICNHTCS-2022) organized by Sindhu Mahavidylaya Nagpur on 25 <sup>th</sup> -26 <sup>th</sup> March 2022		Yes	2021-2022
6	Synthesis, benzoyl derivatives and biological activity of some novel 1,2,4,5-tetrazines	International conference on new horizons and trends in chemical sciences(ICNHTCS-2022) organized by Sindhu Mahavidylaya Nagpur on 25 <sup>th</sup> - 26 <sup>th</sup> March 2022		Yes	2021-2022
7	Adsorption Equilibrium And Kinetic Studies Of Porous Adsorbent For Removal Of Mn <sup>2+</sup> Ions From Aqueous	International conference on Advanced Functional Materials 2020 organised by Kamla Nehru College on dated 24th Jan to 25th Jan 2020		Yes	2019-2020

	Solution,				
8	Wind energy as a replacement of fossil fuel	International conference on Energy and Environmental Challenges (CE2C)-2019		Yes	2018-2019
9	Renewable Energy: An essential Need in Present Scenario	International conference on Energy and Environmental Challenges (CE2C)-2019		Yes	
10	Consumption of toxic metals: a threat to human health,	National Conference on Indian Heritage in Chemistry, IHC-2018 [27thMarch 2018] 01 March2018		Yes	2017-2018
11	Kinetics and isotherms studies on the adsorption of Mn <sup>2+</sup> ion on low cost Adsorbent	National Seminar on Modern Methods in Organic Synthesis organised by Department of Chemistry ,RTM Nagpur University Nagpur ,[March 20 – 21 2017],		Yes	2016-2017
12	To study the efficacy of granular activated carbon in removal of Lead from aqueous solution	National conference on Multifunctional Advance Material organised by Kamala Nehru Mahavidyalaya Nagpur , [March 17- 18, 2017]		Yes	2016-2017
13	Removal of Manganese (II) from aqueous solution b adsorption on Granular activated carbon”	International conference on ICFM -2015 held on <b>5<sup>th</sup> .6<sup>th</sup> and 7<sup>th</sup> Feb2015</b> ,organized by Department of Chemistry ,RTM Nagpur University Nagpur		Yes	2014-2015
14	Studies on Surface Modification of Adsorbent in recovery of Heavy Metals Ions	National conference at pawni(M.S)		Yes	2014-2015
15	Synthesis and structural studies of 2,5-Dialkyl/Diarylimino1,3, 4-Thiadiazolidines and their acetyl and Nitroso derivatives”	International Conference on Application of Advanced Materials for Sustainable Development,Ambedkar College Nagpur on 17 <sup>th</sup> and 18 <sup>th</sup> Jan 2014		Yes	2013-2014
16	“Adsorption equilibrium study of Manganese on chemically modified adsorbent” paper presented in College Nagpur	National conference Nanomaterials: New Horizon for betterment of society , 28 <sup>th</sup> Feb 2013 Shivaji Science , College Nagpur		Yes	2012-2013

17	“Comparative study on “Adsorption of Mn ion from aqueous phase on granular carbon” in	National conference: Atom to Molecule held <b>on16<sup>th</sup> Dec.2011,</b> Shivaji Science College Nagpur.		Yes	2011-2012
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## 12. Orientation/Refresher Course attended:

S. N.	Name of the Course/Summer School	Place	Duration
1	Orientation Course	Academic Staff college Nagpur	14-06-1999 to 10-07-1999
2	Refresher course	Academic Staff College Nagpur	18-10-2004 to 07-11-2004
3	Refresher Course	Sant Gadge Baba Amravati University, Amravati	08-11-2005 to 28-11-2005
4	Refresher Course	Academic Staff College, Nagpur	17-01-2006 to 06-02-2006

## 13. Conferences/workshop/seminar attended:-

- National conference on Thermodynamical and biological system, organized by Department of chemistry, RTM Nagpur University Nagpur, 26<sup>th</sup> -28<sup>th</sup> Oct 2023
- Attended State level conference on **Women empowerment** organized by Higher and Technical Education Department and Savitribai phule, University, Pune, 23<sup>rd</sup> Oct 2023
- Attended Seminar on Women in Science and Entrepreneurship, WISE-2023, Indian Women Scientist’s Association Nagpur Branch ,2<sup>nd</sup> April 2023
- Attended Indian Science Congress held at RTM Nagpur university Nagpur on 3<sup>rd</sup> to 7<sup>h</sup> Jan 2023.
- **National Symposium on “Functional Materials for Sustainable Development” During 10-12 Oct, 2022 Organized** NASI, Nagpur Chapter in association with RTM Nagpur University, Nagpur
- International conference on new horizons and trends in chemical sciences(ICNHTCS-2022), Sindhu Mahavidyalaya, Nagpur on 25<sup>th</sup> -26<sup>th</sup> March 2022
- International E-Conference on Multifunctional Advanced Materials organized by Mahatma Gandhi College Armori (M.S) 7<sup>th</sup> Aug 2020
- International Webinar on Advanced Materials For Sustainable Development organized by Chouksey Group of College Bilaspur (C.G) 12<sup>th</sup> July 2020
- International conference on Advanced Functional Materials 2020 organised by Kamla Nehru College on dated 24<sup>th</sup> Jan to 25<sup>th</sup> Jan 2020
- International conference on Energy and Environmental Challenge, Visvesvaraya National Institute of Technology, Nagpur-440010, India College Nagpur, (CE2C)- January 2019.

- National Conference on Indian Heritage in Chemistry, IHC-2018, [27thMarch 2018]. Hislop College Nagpur.
- International Conference On Recent Trends In Science And Technology Sustainable Development Through Scientific Approach July12-14, 2017 at S.S.E.S. Amt's Science College Nagpur
- National Seminar on Modern Methods in Organic Synthesis organised by Department of Chemistry ,RTM Nagpur University Nagpur , March 20 - 21, 2017
- **National Conference on Teaching Learning and Evaluation organised by** Feb 2017 Shivaji Science College Nagpur.
- National Conference on Indian Heritage in Chemistry, IHC-2018 [27thMarch 2018] Hislop College Nagpur 01March2018
- International Conference on Science ,Engineering and Technology for Academician, Industries and Society November 21,22& 23,2015 ICSET-2015 at BIT Offshore Campus Ras al khaimah ,U.A.E. DUBAI
- National Conference on 4<sup>th</sup> Oct 2015, Sevadal Mahila Mahavidyalaya Nagpur.
- State Level Seminar on Role of Chemistry in Maintaining Ecology on 14<sup>th</sup> March 2015 Organised by Mohota Science College Nagpur
- International conference on ICFM -2015 held on 5<sup>th</sup> ,6<sup>th</sup> and 7<sup>th</sup> Feb.2015 ,organised by Department of Chemistry ,RTM Nagpur University Nagpur
- National Seminar on Institutional quality improvement: Role of governance , leadership and management on 08<sup>th</sup>August 2014 at Shivaji Science College Nagpur.
- International Conference on Application of Advanced Materials for Sustainable Development ,Ambedkar College Nagpur on 17<sup>th</sup> and 18<sup>th</sup> Jan 2014
- National Seminar on “Women Empowerment” in organized by Shivaji Science college, Nagpur on 8<sup>th</sup> March 2013
- National conference on Nanomaterials: New Horizon for betterment of society 28<sup>th</sup> Feb 2013 Shivaji Science College Nagpur.
- International Conference on “Mathematical Science” 28<sup>th</sup> -31<sup>st</sup> Dec 2012 organized by Shivaji Science college, Nagpur (ICMS-2012)
- One Day Workshop on B.Sc syllabus –Discussion scope and limitation on 16<sup>th</sup> Sept 2012 Ambedkar College, Nagpur
- National Seminar on “Greening The blues for sustainable development”Cheree International Foundation on 8<sup>th</sup> July 2012
- 3<sup>rd</sup> International conference on Relevance of Mahatma Fule's philosophy in Globalised society for Economic Development organized by MFTRA 14<sup>th</sup> April 2012
- U.G.C. sponsored National Conference on “Technologies in Engineering And Science for Energy Application” organized by Dr ,Babasaheb Ambedkar College, Nagpur. January 2<sup>nd</sup> ,3<sup>rd</sup> 2012
- Growing Together Through Consortium, Student and Faculty Exchange Programme at Govt . M.H.College of Home Science and Science For Women Jabalpur ,10-12<sup>th</sup> Jan, 2012
- National Conference on Advance Materials for Engineering AND Technologies organized by Priyadarshini college of Engineering, Nagpur. January 15<sup>th</sup>,16<sup>th</sup> March 2012
- National conference: Atom to Molecule held on 16<sup>th</sup> Dec.2011, Shivaji Science College Nagpur

- One Day Workshop on Detergent and Allied Products on 27<sup>th</sup> August 2011 , L.A.D. College Nagpur
- National conference on Nano Science and Technology (NCNST-2011) Shivaji Science College Nagpur. February, 21-22, 2011.
- State level Seminar on “Behavior Motivation and Self Confidence “Yashoda Girls, Arts &Commerce College Sneha Nagar, Wardha Road Nagpur ,Feb.24,25 ,2011
- Attended the U.G.C. sponsored National Conference on “Advanced Material and Technology” organized by Shivaji Science college, Nagpur. December 29-30, 2009.
- Attended the workshop on “Rain water harvesting on action for water Conservation” organized by science college Nagpur, dated 1<sup>9th</sup> November-2009.
- National Conference on Dalit Literature on 21<sup>st</sup> ,22<sup>nd</sup> ,23<sup>rd</sup> Jan 2011
- National workshop on Microscopically Techniques in Chemistry sponsored by Sevadal Mahila Mahavidyalaya on 30<sup>th</sup> and 31<sup>st</sup> March 2009.
- National conference on Biodiversity and Environment :Problems and Solution sponsored by Science Collage, Nagpur, on 4<sup>th</sup> and 5<sup>th</sup> January 2008.
- National seminars on Advanced Material organized by RTM Nagpur University on 12<sup>th</sup> February 2007
- National seminars on Eco+ organized by Shri Mthuradas Mohata College of Science on 08-08-08
- National seminars on Emerging Trends in Chemical and Life Sciences and its Relevance to Environmental Conservation sponsored by U.G.C. on 4<sup>th</sup> Dec 2009 organised by N.A. College, Umrer.
- National conference on Students Participation in quality Enhancement in Higher Education 22<sup>nd</sup>-23<sup>th</sup> December, 2006 sponsored by UGC, New Delhi in association with NAAC, Bangalore
- Workshop on Chemistry Olympiad( Awareness and Resource Generation) organized by Hislop College Nagpur during 7<sup>th</sup> and 8<sup>th</sup> October 2006
- National seminars on Eco Friendly Technologies In Chemistry and Industrial Chemistry For Chemical Chemistry sponsored by Dharampeth M. P. Deo Memorial Collage, Nagpur 2006.
- One Day Seminars on “Awareness about Atomic Energy” held on 18<sup>th</sup> August 2005 organized by Department of Atomic Energy, G.I.O., Mumbai.
- National conference on “ Post NAAC Accreditation Initiatives for Quality Enhancement in Higher Education and Autonomy of Higher Education Institution” organized by Shri Shivaji Education Society, Science Collage, Nagpur on 21<sup>st</sup> 22<sup>nd</sup> March, 2005
- One Day Seminar on New Syllabus in Chemistry organized by L.A.D College Nagpur.
- National seminars on” Advanced Material” on 1<sup>st</sup> Feb. 2004 sponsored by Kamala Nehru Mahavidyalaya Nagpur.
- National seminars on “Water Security” organized by Dr. Ambedkar College” on 20<sup>th</sup> and 21<sup>st</sup> January 2004
- National seminar on Advanced Materials on 12<sup>th</sup> Feb. 2007 Organized by Dept. of Chemistry, RTM Nagpur.University Nagpur.
- National seminar on Judiciary and Reservation policy in India on 25<sup>th</sup> Sep. 2005 Organized by Ambedkar Teachers Welfare association



#### **14. Membership:**

- Indian Women Scientist's Association
- Indian Science Congress Association Kolkata L26813
- All India Chemistry Teachers Association
- Ambedkar Teachers Welfare association
- R.T.M. Nagpur University Chemistry Teacher' Association

#### **15. Subject Expert Committee**

- RTM Nagpur University –Subject Expert at Dr Ambedkar College, Nagpur
- Dhote Bandhu Science College Gondia and Jaiswal College, Arjuni Morgaon
- Yashwantrao Chavan Arts, Commerce and Science Mahavidyalaya Lakhandur.

#### **16. Mahatma Fule Talent Research Award -2012**

#### **17. Administrative Assistance Committee**

Worked as a Convener and member in various committees and Conferences

1. Women Grievance Rderessal Cell,
2. Student Teacher Guardian Committee
3. Secretary College Council
4. Member of Criteria VII
5. Coordinator for Certificate Courses
6. Student council
7. Admission committee, Center for social action, Outreach committee,
8. Cultural committee.
9. Convener -Rangoli Competition, etc

#### **18. Intercollegiate Poster Competition:**

##### **Convener:**

- International Symposium On EWEW-24, on the occasion of International Women's Day
- Intercollegiate Essay Competition on Women Empowerment
- Inter collegiate poster and seminar competition on the occasion of International Ozone Day
- Inter collegiate poster competition on **Hazardous chemicals and Environment**
- Inter collegiate poster competition on' **Chemistry in Everyday Life**'  
Inter collegiate poster competition on' **Waste Water Management and its conservation**
- Organized Inter collegiate poster competition on **global warming, explosive**
- Inter collegiate poster competition on **“Nuclear energy an alternative source of Energy”**
- Organized collegiate seminar competition **“Renewable source of energy** to. mark the Birth Anniversary of Bhausahab Alias Panjabrao Deshmukh
- .Rally for donation Involved in peace rally organized by college
- Rangoli competition

## 19. Other activities/Visit:

- Visit to Central ground water pollution Board, Nagpur
- Rally Was organized on account of International Ozone Day 16<sup>th</sup> Sept 2013
- Visited to **NEERI and Science Express, Forensic Lab Nagpur**
- Visited to **Home for Aged Home** in Unthakhana, Nagpur
- Visited **chunabhatti** to demonstrate the domestic method for purification of water.
- Mass awareness programme on “**Fluorosis**”.
- Awareness programme on “**Organic Farming**” at Dhapewada.
- Visited chunabhatti to awareness about hygiene, and sanitation, about swine flue
- Visited to “**Sewage treatment plant**” Bhandewadi along with student.

**Dr. Yogita K Meshram**  
**Department Of Chemistry**