

CURRICULUM VITAE

Name DR. MAHAJAN VILAS KAILAS

Father's Name MAHAJAN KAILAS GANGARAM

Designation Assistant Professor
KVP's Kisan Arts, Commerce and Science College,
Parola, Dist. Jalgaon

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Date of Birth 13th October 1988 (Age 33 Yrs)

Blood Group "A" +Ve

Educational Qualification

Degree	Field of Specialization	University	Year of Passing	%ge of Marks	Class Obtained
B.Sc.	Chemistry	N.M.U. Jalgaon	June, 2010	70.75	First Class with Distinction
M.Sc.	Analytical Chemistry	N.M.U. Jalgaon	June, 2012	64.00	First Class
B.Ed.	Science	N.M.U. Jalgaon	June, 2013	81.00	First Class with Distinction
Ph.D.*	Chemistry	N.M.U. Jalgaon	January 2011	--	Awarded

* **Title of the M.Sc. project** Synthesis of silver nanoparticle and rheological study of silver nanoparticle based polymer Nano composites.

***Title of the Ph.D. Thesis** Development of hybrid system for degradation of organic dyes using ultrasound and nano photocatalyst.

Guide Dr. G. H. Sonawane, Vice Principal and Head, Chemistry Research Laboratory Kisan Arts, Commerce and Science College, Parola, Dist- Jalgaon.

Date of Ph.D. Award 11.01.2018

Teaching Experience 09 Years

S.No.	Designation	Institution	Period	Experience
1.	Lecturer (CHB)	KVP's Kisan Arts, Commerce and Science College, Parola, Dist. Jalgaon	July 2013 to April 2019	06 Year
2.	Assistant Professor	KVP's Kisan Arts, Commerce and Science College, Parola, Dist. Jalgaon	Since 23.07.2019	3 Years

Research Experience 06 Years

Research Papers 16 (Published 14, Accepted 0, Communicated 2)

Research Papers presented in Conferences 11

Book Chapters 00

Awards and Honors 03

- **1st Prize of Best Oral Research Paper Award:** 5th National Conference on Recent Advances in Chemo and Bio Sciences (RACBS-2015) jointly organized by M J College, Jalgaon and Post Graduate College of Science, Technology and Research, Jalgaon on 23-24 January 2015.
- **1st Prize of Best Oral Research Paper Award:** 6th National Conference on Recent Advances in Chemo and Bio Sciences (RACBS-2016) Jointly organized by M J College, Jalgaon and Post Graduate College of Science, Technology and Research, Jalgaon on 23 January 2016.
- **1st Prize of Best Oral Research Paper Award:** UGC Sponsored National Conference on Chemical Synthesis of Nanomaterials and their Applications in Environment organized by Department of Chemistry G. T. Patil College, Nandurbar For paper entitled Photocatalytic Sonocatalytic and Sonophotocatalytic degradation of Aniline blue using ZnS nanocatalyst (P-63). on 8-9 February 2016.

Memberships

- Life Member, Association of Chemistry Teachers, KBCNMU (LM-081).

Delivered Lectures –

1. Delivered the lecture on the Occasion of “National Science Day” on 28 February 2019, In Bohra Central School, Parola, Dist.- Jalgaon.

Orientation / Refresher Courses

- Faculty Development Programme on "Managing Online Classes and Co-Creating MOOCs:2.0" conducted by Teaching Learning Centre, Ramanujan College, University of Delhi, Sponsored by Ministry of Human Resource Development, under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) Scheme from 18 May, 2020 - 03 June, 2020 (Two Weeks).
- Successfully completed a 4-week Induction programme for faculty in Universities/Colleges/ Institutes of Higher Education from June 04-July 01, 2020. conducted by Teaching Learning Centre, Ramanujan College, University of Delhi, Sponsored by Ministry of Human Resource Development, under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
- Train-the-Teacher-Training (TTT) Programme on “Online Learning: Live Classroom Teaching Platforms” organized by KBC, NMU, Jalgaon on 20 July 2020-23 July 2020.

Research Thrust Areas:

Nanomaterials synthesis and its applications in degradation of organics, Kinetics of Photocatalytic degradation, Sonocatalytic degradation and Sonophotocatalytic degradation.

List of Publications

Sr. No	Name of the Teacher	National	International	Communicated	Total
	Dr. V. K. Mahajan	00	15	01	16

2. Vilas K Mahajan, Sonawane G. H., Detection of organics from industrial effluents of Ankleshwar region (Gujrat), Asian J. of Chem. Envir. Res., 7(1-4), (2014) 34-40.
3. Vilas K Mahajan, Sonawane G. H., Improved Photocatalytic Activity of CeO₂ Coupling Ultrasound, for Eosin-Y Degradation, J of Applicable Chemistry, 4(5), (2015) 1500-1506.
4. Vilas K Mahajan and Sonawane G. H., Effective degradation and mineralization of real textile effluent by sonolysis, photocatalysis, and sonophotocatalysis using ZnO nano catalyst, Nano Chem Res, 1(2) (2016) 117-122.

5. Vilas K Mahajan, Sandip P. Patil, Sonawane G. H., Ultrasonic, photocatalytic and sonophotocatalytic degradation of Basic Red-2 by using Nb_2O_5 nano catalyst, *AIMS Biophysics*, 3(3) (2016) 415-430.
6. Vilas K Mahajan, Sonawane G. H., Ultrasonic, photocatalytic and sonophotocatalytic degradation of Malachite green by using nano CeCrO_3 , *Asian J. of Chem. Envir. Res.*, 9 (1-4) (2016) 70-75.
7. Mahajan Vilas K., Patil Sandip P., Patil Rahul P. Shrivastava, V.S., Sonawane S. H., Sonawane G. H., Facile sonochemical synthesis of BiOBr-graphene oxide nanocomposite with enhanced photocatalytic activity for the degradation of direct green. *Materials Science in Semiconductor Processing*, 52, (2016) 55-61.
8. Vilas K. Mahajan, Sandip P. Patil and Gunvant H. Sonawane, Photocatalytic, Sonocatalytic and Sonophotocatalytic degradation of Aniline Blue using ZnS Nanocatalyst, *Chemical Synthesis of Nanomaterials and their Applications in Environment*, (2016) 63-65.
9. Mahajan V. K., Patil S. P., Shrivastava, V.S. and Sonawane, G.H., Kinetic of photocatalytic degradation of methylene blue by ZnO-bentonite nanocomposite, *Iranian Chemical Communication*, 5, (2017) 417-428. **IF0.734**
10. Vilas Kailas Mahajan and Gunvant Hari Sonawane, Effective degradation of Congo red (CR) by ultrasonic, photocatalytic and sonophotocatalytic process in presence of CdS nano catalyst, *International Journal of Research and Analytical Reviews*, 6 1, (2019) 453-467.
11. Vilas K. Mahajan, Sunil G. Shelar, Sandip P. Patil and Gunvant H. Sonawane. Enhancement of visible light induced photocatalytic degradation of Eosin-Y by using TiO_2 and Ag doped TiO_2 nano catalyst *J. Mater. Environ. Sci.*, 2019, Volume 10, Issue 5, Page 431-441.
12. Vilas K. Mahajan, Sunil G. Shelar, Sandip P. Patil and Gunvant H. Sonawane Photocatalytic degradation of methyl orange using nano Fe_2O_3 and co doped Fe_2O_3 of different compositions, *Special Issue of National Conference on Recent Advances in Chemical Sciences-NCRACS 2020*, 66-73.
13. Vilas K. Mahajan, Sunil G. Shelar, Sandip P. Patil and Gunvant H. Sonawane, Effect of doping parameters on photocatalytic degradation of methylene blue using Ag doped ZnO nanocatalyst, *SN Applied Sciences* (2020) 2:820.

14. V.K Mahajan and G. H. Sonawane, Degradation of 3,7-bis (dimethyl amino)-phenothiazin-5-ium chloride in aqueous solution by ultrasonic cavitation, Special Issue of National Conference on Recent Advances in Chemical Sciences-NCRACS 2020.
15. Vilas K. Mahajan, Sunil G. Shelar, Sandip P. Patil and Gunvant H. Sonawane, Visible light induced photocatalytic degradation of Victoria blue by using ZnS and Co doped ZnS nznO catalyst, Journal of Scientific Research, Volume 65, Issue 7, 2021
16. Vilas K. Mahajan, Sunil G. Shelar, Sandip P. Patil, K.S. Bhavsar, P.K. Labhane and Gunvant H. Sonawane, Layered Zn doped WO₃ nanoplates fabricated via hydrothermal method for efficient photocatalytic degradation of Congo red, Nano Technology for Environmental Engineering (2021). **Communicated.**

Workshops, Seminars and Conferences Paper Presented:11

1. National Conference on Nanomaterials, Industrial Polymers and Eco- friendly Coatings- Perspectives and Challenges, Organized by School of Chemical Sciences, NMU, Jalgaon. On 18th February 2012.
2. District level Research Convocation Avishkar 2014 Organized by Tapi Education Society's Bhusawal Arts, Sci. and P.O. Nahata Commerce College, Bhusawal on 7th October, 2014. **(Selected in Poster presentation to University level Avishkar)**
3. University level Research Convocation Avishkar 2014 Organized by North Maharashtra University, Jalgaon during October 17, 18, 2014.
4. Jointly organized 5th National Conference on Recent advance in chemo and Bio Sciences organized by M.J. College on 23,24 January 2015. **(First prize in oral presentation)**
5. Two day national conference on Life sciences major challenges organized by B. Raghunath Arts, Commerce and Science College, Parbhani, 3,4 September 2015.
6. Jointly Organized 6th National Conference on Recent advance in chemo and Bio Sciences organized by M.J. College on 23, January 2016. **(First prize in oral presentation)**
7. 34th Annual National Conference of Indian Council of Chemists held at Department of Chemistry, UKA Tarsadia University, Bardoli, Surat on 26th -28th December-2016.
8. UGC Sponsored National Conference on Chemical synthesis of Nanomaterial's and there Applications in Environment Organized by Department of Chemistry, G.T.P College, Nandurbar on 8,9 February 2016. **(First Prize in Oral Presentation)**

9. Two day International Conference on Innovation in Biological and Chemical Sciences Organized by Department of Zoology, Dhanaji Nana Mahavidyalaya Faizpur, Dist.- Jalgaon on 21 and 22 December, 2017.
10. KBC, NMU, Jalgaon Sponsored National Conference on Recent Trends in life Sciences Organized by S.S.V.P. Sanstha's Late S. D. Patil Alias Baburao Dada ACS and M. D. Sisode Science College, Shindkheda, Dist. Dhule on 18th January 2019.
11. KBC, NMU, Jalgaon Sponsored Two day National Seminar on "Recent Emergence in Science and Technology" Jointly Organized by Shri. V. S. Naik ACS College Raver, Dist.- Jalgaon and Seva Sadan Mahavidyalaya, Dist.- Burhanpur (M.P) on 11 and 12 February 2019.

Workshops, Seminars and Conferences Attended: 10

1. INUP Familiarization Workshop on Nanofabrication Technologies, held at IIT Bombay, Mumbai during November 28-30, 2014.
2. One Week Global Initiative of Academic Networks Course on Sonoprocess Engineering organized by Department of Chemical Engineering, National Institute of Technology, Warangal during 22nd -26th February, 2016.
3. Two day national conference on Emerging Trends in Synthetic and polymer Chemistry organized by B. Raghunath Arts, Commerce and Science College, Parbhani, 2016.
4. Two day national conference on Recent Trends and Advances in Chemical Sciences organized by B. Raghunath Arts, Commerce and Science College, Parbhani, 12,13 January, 2016.
5. 1st National Conference on Advance in Chemical Sciences, Organized by School of Chemical Sciences, NMU, Jalgaon. On 4th March 2017.
6. KBC, NMU, Jalgaon Sponsored National Seminar on "Recent Advance of Chemical Sciences in Sustainable Development" Organized by KVPS's Kisan ACS College, Parola, Dist.- Jalgaon on 07th February 2019.
7. Department of Chemistry, Late S.D. Patil Bapurao Dada Arts, Commerce and Late bhausaheb M. D. Sisode science College, Shindkheda Dist. Dhule Organized Syllabus Restructuring Workshop for T.Y.B.Sc. Chemistry(CBCS). 10 feb. 2020.
8. KBC, NMU, Jalgaon Organized Online Learning Live Classroom Teaching Platforms. On July 20-23, 2020

10 Jan 2022

9. Tapti Education Society's Bhusawal Arts, Science & P. O. Nahata Commerce College, Bhusawal, Organized Online International Conference on Changing Paradigms in Chemical Sciences (CPCS-2021).
10. G.T Patil Arts, Commerce and Science College, Namdurbar, IQAC organized Online national Workshop, 3rd Aug 2021.
- 11.

Place- Parola

Dr. Vilas Kailas Mahajan

Date- 10.1.2022