

Curriculum Vitae



Name : Dr. Sugandha V. Khangar (Wagh)
Qualification : M.Sc. Ph.D. (Physics)
Designation : Assistant Professor
College : Mahatma Fule Arts, Commerce & Sitaramji Chaudhari
Science Mahavidyalaya, Warud, Dist. Amravati-444906.
Address : W/O Mr. Atul N Wagh
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Date of Birth : 10/06/1985
Nationality : Indian

Academic Qualification Details :

Examination passed	College/ Institute	Board/ University	Subject/ Specialization	Year of passing	Division/G rade
Ph.D.	PGTD of Physics, Campus Amravati Road Nagpur	RTM Nagpur University, Nagpur	Ultrasonic Study of Polymer solution (Physics)	2015	NA
M.Sc.	PGTD of Physics, Campus, Amravati Road Nagpur	RTM Nagpur University, Nagpur	Condensed Matter Physics	2008	I
B.Sc.	Anand Niketan College Warora	RTM Nagpur University, Nagpur	Physics, Electronics, Mathematics	2006	I
H.S.S.C.	Anand Niketan College Warora	Divisional Board Nagpur	General Science	2003	II
SSC	Lokmanya Girl's highschool Warora	Divisional Board Nagpur	Eng, Marathi, Hindi-sanskrit, maths, Sci, Soc. Sci	2001	I

Experience: Teaching : UG: 09 Yrs PG: 02 Yrs

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Research : 05 Yrs

Ph.D. Thesis Title : **Ultrasonic and Related Studies in Advanced Organic Polymer Solutions**

Ph.D. Supervisor : Dr.Omprakash P Chimankar

Ph.D. Co-Supervisor : Dr. Vivek D. Bhandakkar

Area of Research : Ultrasonics, Polymer

Ph.D/M.Phil Guidance : Nil

Paper Published : 07, 02 Communicated*

Paper Presented : International 04 National 11

Book Published : Nil

Articles Published :--

Invited Talk & Guest Lectures : 1 (Not having certificate)

Conference/Workshop Attended : International 03 National 12

Research Project Completed :

 Minor Research Project : Nil

 Major Research Project : Nil

Position Held :--Nil

Awards/Scholarships :--Nil

Works on Various University Committees:Nil

RESEARCH PROFILE**1. Research Papers published in journals:**

Sr. No	Title	Name of Authors as mentioned in paper	Journal, Vol. No., Page No. Year	Impact Factor or if any	ISSN/ ISBN No.
1.	Study of Miscibility of Aqueous Polyacrylamide (PAA) Solution	Sugandha V. Khangar and Omprakash P. Chimankar	International J. of Engineering and innovative technology (IJEIT		Volume 3, Issue 11, May 2014; pp. 148-150, ISSN: 2277-3754
2.	Ultrasonic Investigation of Dipole- Induced Interactions in Binary Solutions of Cellulose Acetate with Cyclohexanone and Carbontetrachloride (CCl ₄)	Khangar S. V. and Chimankar O.P.	International J. of Advanced Information Science and Technology (IJAIST)		Vol. 25, No. 25, May 2014; pp. 102-108, ISSN: 2319-2682
3.	Study of Thermodynamical Properties of Aqueous Polyvinyl Pyrrolidone (Pvp) Solution	Sugandha V. Khangar, Omprakash P. Chimankar and V.D. Bhandakkar	(GJRA) Global J. of Research Analysis		Vol. 3, Issue 6, June 2014; pp- 73-76, ISSN : 2277-8160
4.	Ultrasonic Characterization of Aqueous polyvinyl pyrrolidone (PVP)	Sugandha V. Khangar and Omprakash P. Chimankar	International journal of physical sciences		pp. 1351-1357, ISSN: 2348-0130 ; 4(10) 2014
5.	Ultrasonic Investigation of Dipole- Dipole Interaction in Binary Solution of Cellulose Acetate + Water	Sugandha V. Khangar and Omprakash P. Chimankar, Ranjeeta S Shriwas and Sushma Patil	International journal of Science and Research (IJSR)		pp. 331-334 ISSN (online): 2319-7064 , 2015
6.	A Comparative Study of Molecular Interactions of Pure Cow Milk and Branded Milk	Ranjeeta Shriwas, O P Chimankar, Sugandha Khangar, R Turkar, S T Hiwarkar;	International journal of Science and Research (IJSR)		pp. 261-262, ISSN (online): 2319-7064 , 2015
7.	Molecular interaction study of Linolic acid with α - tocopherol by ultrasonic technique	Sushma Patil , M.S. Deshpande ,Sugandha V. Khangar, Omprakash P. Chimankar and Atul N. Wagh	Palegia Research Library, Der-Chemica- Sinica		pp. 361-366, 2015

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8.	Ultrasonic and spectroscopic investigation of polychloroprene and polymethyl methacrylate Blends	Sushma Patil , M.S. Deshpande ,Sugandha V. Khangar, Omprakash P. Chimankar			Communicated*
9.	Measurement of viscosity of highly viscous polymer solution using nondestructive ultrasonic technique.	Sugandha V. Khangar, O. P. Chimankar, D. V. Nandanwar & J. N. Ramteke	Journal of Pure and Applied Ultrasonics		Communicated* to JPAU

2. Full Papers in Conference proceedings:

Sr. No.	Name of Conference	Level	Title of Paper	Name of Authors as mentioned in paper	Place & Date	ISSN/ ISBN No.
1.	International Symposium on Ultrasonics	International	Ultrasonic Investigation of Dipole-Dipole Interaction in Binary Solution of Cellulose Acetate + Water	Sugandha V. Khangar and Omprakash P. Chimankar, Ranjeeta S Shriwas and Sushma Patil	22- 24 January 2015 Dept of Physics Campus Nagpur	pp. 331-334 ISSN (online): 2319-7064,
2.	International Symposium on Ultrasonics	International	A Comparative Study of Molecular Interactions of Pure Cow Milk and Branded Milk	Ranjeeta Shriwas, O P Chimankar, Sugandha Khangar, R Turkar, S T Hiwarkar;	22- 24 January 2015 Dept of Physics Campus Nagpur	pp. 261-262, ISSN (online): 2319-7064,
3.	Advanced material in industries	National conference	"Preparation and ultrasonic characterization of polystyrene with CCl ₄ ,	Sugandha Khangar, O.P.Chimankar , Ranjeeta Shriwas, and V. D. Bhandakkar	10 th -11 th February -2012, I.Y. College, Jogeshwari, Mumbai;	

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			C ₆ H ₆ & CS ₂ for industrial applications			
4.	Material preparation and characterization	National seminar	; Study of polymer- solvent interaction in aqueous hydroxyl ethyl and propyl cellulose	S.V. Khangar, O.P.Chimankar , R.S. Shriwas, V.D. Bhandakkar and D. Ganvir	24 th Feb 2013, UGC Sponsored and Sindhu Mahavidyalaya, Nagpur	
5	Material preparation and characterization	National seminar	Intermolecul ar interaction in Soybean oil+ Ethanol by ultrasonic measureme nts	Ranjeeta Shriwas, O.P.Chimankar , S.V. Khangar, R.H. Dongarwar and S. Jajodia	24 th Feb 2013, UGC Sponsored and Sindhu Mahavidyalaya, Nagpur	
6.	VIMARSH	National conference	Ultrasonic velocity and density studies in some Refined and Unrefined Oils	Ranjeeta Shriwas, O.P.Chimankar , S.V. Khangar, and S. Jajodia	12 th -13 th Sept. 2013, Chouksey Engineering College Bilaspur. CGCOST sponsered	
7.	Advance material, NCAM-.	National conference	Study of compatibilit y in aqueous Polyvinyl Pyrrolidone (PVP) using Pulse Echo Technique	S.V.Khangar, O.P.Chimankar and V.D.Bhandakka r	2014, Katol UGC sponsored and department of Physics Nabira Mahavidyalaya Katol	P.P.17 9 181, ISBN: 97893 81432 709
8.	Ultrasonics(NSU- XX),.	National symposium	Study of miscibility of aqueous polyacrylami de (PAA solution)	S.V.Khangar and O.P.Chimankar	, Jan 2014 Department of Physics, Ravenshaw University, Cuttack	pp 246- 249
9.						

3. Papers presented in Conferences / Seminar / Symposia / Workshop:

Sr. No.	Title of Paper	Title of Event	Level	Date	Organizer
1.	Estimation of volume expansivity polystyrene with CCl_4 , C_6H_6 & CS_2 solution	Innovations in Basic Sciences in the Realm of Modern Education	National Seminar	27 th & 28 th Dec.2008	UGC, CSIR, DST, J.B. Science College Wardha
2.	“Preparation and ultrasonic characterization of polystyrene with CCl_4 , C_6H_6 & CS_2 for industrial applications	National conference	National	10 th -11 th February -2012	, I.Y. College, Jogeshwari, Mumbai;
3.	-----	National Conference on Ultrasonics	National Conference	2012	National Physical Laboratory, New Delhi
4.	Study of polymer-solvent interaction in aqueous hydroxyl ethyl and propyl cellulose	Material preparation and characterization	National Seminar	24 th Feb 2013	, UGC Sponsored and Sindhu Mahavidyalaya, Nagpur.
5.	“Ultrasonic characterization of various thermo acoustic parameters of Tussar silk in aqueous KOH”	Nanomaterials: New Horizon for Betterment of Mankind	National Conference	2013	Shree Shivaji Science College Nagpur
6.	Ultrasonic velocity and density studies in some Refined and Unrefined Oils	VIMARSH	National conference	12 th -13 th Sept. 2013	Chouksey Engineering College Bilaspur. CGCOST sponsored
7.	“Molecular Interaction studies of Polyvinyl Pyrrolidone (PVP) in aqueous medium.	Acoustics 2013	international conference	Nov. 11-15, 2013	NPL, New Delhi,

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8.	Ultrasonic Investigation of Dipole- Dipole Interaction in Binary Solution of Cellulose Acetate + Water	Ultrasonics (ICU) 2015	International Symposium	22- 24 January 2015	Dept of Physics Campus Nagpur
9.	Ultrasonic Investigation of Dipole- Dipole Interaction in Binary Solution of Cellulose Acetate + Water	Ultrasonics (ICU) 2015	International Symposium	22- 24 January 2015	Dept of Physics Campus Nagpur
10.	Thermodynamical studies of polyblend solutions.	ISU 2015	Poster Presentation International Symposium	22- 24 January 2015	Department of Physics RTMNU, Nagpur.

4. Conferences / Seminar / Symposia / Workshop Attended:

Sr. No.	Theme	Level	Date	Organizer
1.	Advanced Technologies in Materials and Crystals.	National Conference	28 th & 29 th Jan. 2008	Dr. Ambedkar College RTM Nagpur University
2.	Materials Preparation & Characterization.	National Seminar	30-31 March,2007	R. T. M. Nagpur, held at VANAMATI-Nagpur
3.	VIRTUAL LAB	In- House faculty training Programme	23 Oct 2015	GNIET in association with IIT Bombay

5. Invited Lectures & session Chairmanship: Nil

[illegible]

6. Year wise Research Guidance: Nil

Sr. No.	Year	Degree (M.Phil/PhD)	No. of Students		
			Enrolled	Awarded	Submitted

7. Research Projects (Minor/Small Grants): Nil

Sr. No.	Title	Major/ Minor	Funding Agency	Period	Amount Sanctioned	Sanctioned Letter	Status

8. Training Courses, Teaching-Learning-Evaluation Technology Programmes, Faculty Development Programmes (not less than one week duration)

Sr. No.	Programme	Duration	Organized By
1.			
2.			

9. Book Published:Nil

Sr. No.	Title & Page No.	Authors	Type of Book	Publisher	ISSN/ISBN No	No. of Co- authors

10. Editorial Board Member:Nil

Sr. No.	Title & Page No.	Type of Books	Publisher	ISSN/ISBN No	No. of Co- authors

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11. Articles/Chapters published in Book:Nil

Sr. No.	Title & Page No.	Book Title, Editor & Publisher	ISSN/ISBN No.	Authors	Whether Main authors

12. Events Organized:

Sr. No.	Events	Level	Funded By	Date	Position

13. Special Achievement: :-

14. Other Membership: Life member of Ultrasonic Society of India ... Membership No: LM 254

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