CURRICULUM VITAE

Dr. Shivalkar Kamlakar.N **Contact. No. :** 9028377114/ 7588547259

Ph.D., M.Sc [Physics]. B.Ed **E-mail:** knshivalkar@gmail.com

E X P E R I E N C E

- **Total 12 Years of Teaching Experience**
  Presently working as Assistant professor Head of Department in physics in Mahatma Gandhi College Ahmedpur Dist latur, from oct2010.

- **Lecturer in Physics and F.E Coordinator in Parvatibai Genaba Moze College of engineering, Wagholi pune, From August 2007 to septeber 2010.**
- **Lecturer in Physics and F.E.Coordinator in Maharashtra college of Engg. Nilanga from February 2002 to Augast 2007. (UGC Approved)**
- **Four-Month Teaching Experience at Senior Level (Physics) In Nagnath College Of Arts, Commerce and Science Aundha Nagnath.(from October 2001to Jan. 2002)**

A C A D E M I C S

- **Ph.D**. in physics Thesis submitted on **23rd June 2009**. To Dr. B. A. M. University Aurangabad and awarded on 6th feb. 2010.
- **B.Ed.** Passed from **Sant Gadge Maharaj College of Education** with first class **(69.99). From** Dr. B. A. M. University Aurangabad in 2001.
- **M.Sc** in Physics from physics department, Dr. B. A. M. University Aurangabad passed with **First Class (60.41%) in 2000.**
- **B.Sc** in Physics from **Rajarshee Shahu College, Latur** Passed in **First Class (60.73%) in 1998** From Dr. B. A. M. University.
- **HSC** passed with **Second Class (56%)** from **Swami Dayanand Jr. College of Science,** Latur, and Dist. Latur **in** 1993.
- **SSC** passed with **First Class (62.14%)** from **Azim Highscool Ausa,** Tal. **Ausa**, Dist. Latur in 1991.

ACHIEVEMENTS

1. University Level in Wrestling
2. Award in Drama

ROLE AND RESPONSIBILITIES AT MG COLLEGE

- Head Department of physics.
- B O S Member in Physics of autonomous body of R S College Latur.
- Co Convener for National Conference in Physics on 5th and 6th September 2014
- Avishkar Coordinator at college level.
- Project Guide for B Sc T Y.
- College Research and consultancy Chairman.
- Organizing committee member for the national conference in Sports, Geography, Botany, Commerce and Zoology.

CO-CURRICULAR ACTIVITIES

Thesis Title

"The Dielectric Relaxation Study of Time Domain Reflectometry Response of Monohydroxy and Polyhdroxy Alcohol, with polar Liquids".

The investigations presented in this thesis were carried out by the author, in the microwave Research Laboratory, Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

The thesis deals with the study of molecular interactions involving nitrogen lone pair electrons in a few molecular species using dielectric technique. In the present work interaction of H-C=O- NH group of amide with –OH group of alcohol take place which produces carboxylic acid and amine, amides are the important liquid used in the chemical industries model system for peptide. In the polar molecules such as NMA, NMF and DMA the charge distribution is exposed and hydrogen bonding is present so the intermolecular interaction is stronger in the molecules of liquid. The main aspect is to study the interaction in liquids having Monohydroxy and di hydroxy alcohol with Amides. Dielectric relaxation data of pure amide and di amides at different temperatures shows possibility of isomeric structures.

C O N F E R E N C E O R G A N I S E D A N D A T T E N D E D

	NATIONAL	INTERNATIONAL
CONFERENCE ATTENDED	**11**	**2**
CONFERENCE ORGANISED	**08**	**1**
PAPER PUBLISHED THROUGH CONFERENCE & JOURNAL	**16**	**5**

ORGANISED

WORKSHOP

ONE DAY WORKSHOP ON NEW SYLLABUS OF B SC T Y ON 10TH SEPT 2011

CONFERENCE

- Co- Cordinator National conference on Alternate Energy Sources for Rural Development India, at M G College Ahmedpur on 5th &6th September 2014.
- Co- Convener, National conference on Alternate Energy Sources for Rural Development, PGMCOE Wagholi. (NCAESFRD2009)
- Organizing committee member, National conference on Microwave and Opto electronics (NCMO-2004) University Aurangabad.
- Organizing committee member, International Conference on Microwave and Optoelectronics, (ICMO 2007) University Aurangabad

ATTENDED

1) WORKSHOP

- One day workshop on revised curriculum in B Sc FY and T Y physics on 20/09/2013 at Gramin Mahavidyalaya Vasant Nagar, Mukhed.
- One day workshop on revised curriculum in B Sc S Y physics on 20/08/2014 at Shri Sant Gadge Mahraj Mahavidyalaya, Loha.

CONFERENCE

- National conference on Microwave and Opto electronics (NCMO-2004) University Aurangabad
- XIIIth National level seminar on Ferroelectric and Dielectric, (NSFDUniversity Delhi)
- 93rd Indian Scince Congress at Acharya NG Ranga University Hyderabad (3-7 January 2006).
- National Conference on Recent Advancement in Microwave Technique and Applications, University Jaipur.(Microwave 2006)
- International Confernce on Microwave and Optoelectronics, University Aurangabad (ICMO 2007)

- International Conference on Recent Advancement in Microwave Technique and Applications, University Jaipur.(Microwave 2008)
- National conference on Alternate Energy Sources for Rural Development, PGMCOE Wagholi.
- 99th Indian science Congress at KIIT Bhubaneswar (3-7 January 2012).
- National conference on Nanotechnology, Maharashtra mahavidyalay Nilanga(7-8september2011).
- 17th National Seminar on ferroelectrics and Dielectrics-2012,ITER, Bhubneswar (17th -19th December2012).
- 100th Indian science Congress at Calcutta University Kolkata (3-7 January 2013).

LIST OF PUBLICATIONS

1. Dielectric Relaxation study of Methanol with n-Butyl Alcohols at Microwave Frequency using Time Domain Reflectometry (TDR) Technique
   B G Lone, P B Undre, B B Bhosle, A S Bhalerao, G M Dharne, P T Sonawane, **K N Shivalkar**, P Maheshmalkar, P W Khirade and S C Mehrotra.
   Microwaves and Optoelectronics,
   Anamaya Publishers, New Delhi (2004), ISBN 81-88342-44-0, 157-161.
2. Temperature Dependent Dielectric Relaxation study of Ayurvedic Medicine Saptarishta in Methanol at Microwave Frequency using Time Domain Reflectometry (TDR) Technique
   B B Bhosle, S R Chaudhari, P B Undre, B G Lone, **K N Shivalkar**, P T Sonawane, A S Bhalerao, P W Khirade, S C Mehrotra and J B Shinde
   Microwaves and Optoelectronics**,**
   Anamaya Publishers, New Delhi (2004), ISBN 81-88342-44-0, 276-279.
3. Strucural Molecular Study of Ayurvedic Medicine Ashokarishta in Ethanol at Microwave Frequency using Time Domain Reflectometry (TDR) Technique
   S R Chaudhari, B B Bhosle, P B Undre, B G Lone, **K N Shivalkar**, P W Khirade, S C Mehrotra and J B Shinde
   Microwaves and Optoelectronics,
   Anamaya Publishers, New Delhi (2004), ISBN 81-88342-44-0, 280-283.
4. Temperature Dependent Dielectric Relaxation study of 2–dimethylaminoethanol in N, N – dimethylformamide at Microwave Frequency using Time Domain
   Prabhakar Undre, S B Jagdade, S N Helambe, B G Lone, **K N Shivalkar**, S B Sayyed, P W Khirade, and S C Mehrotra
   Proc. National conference on Emerging Materials and Technologies, [Page no. 61,67] Dept of Physics, Sri Venkateswara University, Tirupati – 517 502
5. Study of Solute-Solvent Interaction through Dielectrics Behavior of N, N-Dimethyl Acetamide in Ethanol
   K N Shivalkar, Prabhakar undre and S C Mehrotra.
   Presented in poster session in The 93rd Indian science congress Hyderabad association kolkatta.

6. Dielectric Behavior of Ethanol –N- Methylformamide Mixtures Studied by Time Domain Reflectometry.
   K N Shivalkar, Prabhakar Undre, P. W. Khirade and S. C. Mehrotra
   "National conference on recent Advancements in microwave techniques And Applications " Jaipur. (Proceeding of National conference: Microwave 2006 Page No. 173 to 177)
7. Complex permittivity spectra of binary mixture of allyl chloride with methanol using time domain technique
   G.M. Dharne**,** Prabhakar Undre, **K. N. Shivalkar** and Dr. P.W. Khirade and S. C. Mehrotra

   (presented at XIVth National Seminar on Ferroelectrics and Dielectrics (NSFD XIV-2006) held at IIT Kharagpur, West Bengal on 18-22 Dec.2006)
8. Dielectric behavior of allyl chloride- Dimethyl Formamide mixture studied by time domain reflectometry
   G.M. Dharne, Prabhakar Undre, **KN Shivalkar**, S.S. Patil and PW Khirade
   Presented at international conference on Micrwave and Optoelectronics (ICMO2007) Held at University Aurangabad (17-20 December 2007)
9. Study of solute solvent interaction through dielectric behavior of NN Dimethyl Acetamide in Ethanol
   KN Shivalkar, Prabhakar Undre, GM Dharne, S.S. Patil and PW Khirade
   Presented at international conference on Micrwave and Optoelectronics (ICMO2007) Held at University Aurangabad (17-20 December 2007)
10. Microwave Dielectric Relaxation in binary mixture of 1,2 Diamino propane in Aminoethanol
    Prabhakar Undre**, KN Shivalkar**, GM Dharne, S.S. Patil and PW Khirade
    Presented at international conference on Micrwave and Optoelectronics (ICMO2007) Held at University Aurangabad (17-20 December 2007)
11. Dielectric Relaxation Study of Binary Mixtures Having Shielded charge Distribution with exposed charge distribution using time Domain Reflectometry.
    S B Sayyad, S B Kolhe, S S Dubal, P B Undre, **K N Shivalkar**, P T Sonwane, G M Dharne, S S Patil and P W Khirade.
    Presented at international conference on Recent Advances in Microwave Theory and Applications (Microwave 2008).
    Also published in **IEEE** May2009 issue.
12. Microwave Dielectric Characterization of Binary Mixture of Propan- 2- ol with Allyl Bromide at 298K
    G M Dharne, S P Kamble, A L Tidar, Sayyad Shafiyodin, S S Dubal, Y S Sudake, A P Maharolkar, S K Tupe, **K N Shivalkar**, S S Patil, P W Khirade and S C Mehrotra.
    Presented in poster session in The 97th Indian science congress Tiruanantpuram
13. Dielectric study of ethylene glycol –N methyl acetamide binary mixture using time-domain reflectometry
    K.N. Shivlkar, C T Londhe, P B Undre, S B Sayyad, M M Betkar, G D Bagade and P W Khirade.
    Presented in 99th Indian Science Congress, Held at KIIT University, Bhubaneswar (3-7 Jan. 2012).
14. Determination of Rotational temperature of AlO from Br^{2+} Xr^{2+}system.
    C T Londhe, K N Shivalkar, N H Mhaske and S H Behere.

National Confernce on Nano technology, Nilangga dist Latur. (7-8September 2012)

15. Dielectric Relaxation of Diethylene Glycol Monomethyl ether with Aromatic Compound using Time Domain Reflectometry technique.
    P R Maheshmalkar, S B Sayyad, **K N Shivalkar**,S P Kamble, P B Undre and P W Khirade.
    Asian Journal of Chemistry, Vol. 24, No 12 (2012) 5711-5714.
16. Microwave Dielectric Characterization and Molecular Interaction Behavior in Binary Mixture of 1,3- Di amino propane with N N Dimethyl amino Ethanol
    P B Undre, S B Sayyad, **K N Shivalkar**, S S Dubal, S S Patil and P W Khirade.
    Presented in XVII NSFD, held at ITER, Bhubaneswar (17-19 Dec. 2012).
17. Dielectric Study of Ethylene Glycol-N methyl Formamide Binary Mixture using Time Domain Reflectometry
    K N Shivalkar, Undre Prabhakar, G D Bagade and P W Khirade.
    Presented in XVII NSFD, held at ITER, Bhubaneswar (17-19 Dec. 2012).
18. A Comparative Study of RKRV and reduced Potential Curves of the Ground State of Diatomic Magnesium Oxide
19. Temperature Dependent Dielectric Relaxation Study of N Methyl acetamide in Glycerol using Time Domain Reflectometry Technique.
    P R Maheshmalkar, **K N Shivalkar**, S B Sayyad, P B Undre, and P W Khirade.
    Presented in XVII NSFD, held at ITER, Bhubaneswar (17-19 Dec. 2012).
20. Structural Determination of Glycerol Dimethyl Formamide binary mixture using Time domain Reflectometry.
    K N Shivalkar, C T Londhe, G D Bagade and P W Khirade.
    100^{th} Indian Science Congress , Culcutta university Kolkat.(3-7 Jan. 2013)

PERSONAL DETAILS

Date of birth	**:** 15^{th} June 1975
Languages known	**:** English, Hindi, Marathi.
Address (Permanent)	**:** At post Bhada, Tq. Ausa
	Dist. Latur -413520
Address (Local)	**: Department of physics Mahatma Gandhi**
	College, Ahmedpur.

Date

Dr. Shivalkar K N