



## Prof V P Pawar

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## Expertise

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Atomic, Molecular and Chemical

Electronics, Microwave dielectric relaxation techniques

## Work experience

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1. Maharashtra Udaygiri Mahavdiyalaya, Udgir 2021 — Present

Professor

Latur

2. Sundarrao Solanke MAhavidyalay, Majalgaon. 2016 — 2021

Principal

Beed

3. Maharashtra Udaygiri Mahavdiyalaya, Udgir 2009 — 2011

Principal

Latur

## Education

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1. Ph.D. - 2001

Dr. Babasaheb Ambedkar Marathwada University

2. **M.Phil. - 1998**

Shivaji University

3. **M.Sc. - 1988**

Dr. Babasaheb Ambedkar Marathwada University

4. **B.Sc. - 1986**

Dayanand Science College, Latur

## Honours and Awards

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1. **Best Research Paper presentation Award - 2021**

National E-Conference on Advanced Research in Materials Science

2. **State Level Karyagaurav Award - 2021**

Aarya Samaj Granthlaya

3. **Sunderrao Solanke Mahavidyalaya Recognised Social Entrepreneurship - 2020**

Swachhta & Rural Engagement Cell(SER REC) Institution

4. **State level Jeevan Gaurav Award - 2019**

Yeshwanti Prernadaye Social Organisation

5. **Blind Empowerment Champions Award - 2019**

Indian Association for the blind

6. **International Best research paper presentation Award - 2019**

International conference

7. **Ideal Examination Centre Award - 2019**

Dr. B. A. Marathwada University

8. **National Idol Principal Award - 2019**

Kaksad National Magazine Patrika

**9. Vishwashantidoot National Teacher Award - 2018**

Vishwashantidoot Pariwar and Krantijyoti Samagik Shikshan Sansta

**10. Gaurav Maharashtra:Shikshan Seva National Award - 2018**

Lifestar Global Welfare Foundation & Jaihind Pariwar

**11. Swacheta Ranking First Award - 2018**

Majalgaon Municipal corporation

**12. National Special Award - 2017**

Kavyamitra Sansta

**13. State Level Pariwartan Award - 2017**

Pariwartan Social Organisation

**14. Best research paper presentation Award(Poster) - 2017**

National conference

**15. State level Best Principal Award - 2013**

Kavyamitra Social organization

**16. Best Teacher Award - 2011**

SRTM University

**17. Vignyan Bhushan Award - 2009**

Purogami Vichar Prabodhini Social organiisation

**18. Best research paper presentation Award(Oral) - 2009**

National conference

**19. Best research paper presentation Award(Poster) - 2009**

National conference

**20. Teacher Fellow - 1999**

UGC

**21. Teacher Fellow - 1994**

UGC

# Research Project

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## Dielectric relaxation study of chloro group molecules with amides at microwave frequency

Role: Principal Investigator  
Year 2002, Amount 25000

## Publication

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1. Complex and thermodynamic properties of polar liquids using time domain reflectometry

Tabassum, S. and Pawar, V.P.  
Journal of Advanced Dielectrics, Volume 8, Year 2018

2. Complex permittivity spectra of binary polar liquids using time domain reflectometry

Tabassum, S. and Pawar, V.P.  
Journal of Advanced Dielectrics, Volume 8, Year 2018

3. Structural properties in binary mixtures of polar molecules through microwave dielectric technique

Pawar, V.P. and Tabassum, S. and Patil, A.V.  
2017 IEEE 19th International Conference on Dielectric Liquids, ICDL 2017, Volume 2017-January, Year 2017, Pages 1-4

4. Dielectric properties of benzylamine in 1,2,6-hexanetriol mixture using time domain reflectometry technique

Swami, M.B. and Hudge, P.G. and Pawar, V.P.  
Journal of Advanced Dielectrics, Volume 6, Year 2016

5. Dielectric and thermodynamic properties in a binary mixture of dimethylene chloride with formamide

Pawar, V.P. and Patil, A.V.  
Journal of Molecular Liquids, Volume 206, Year 2015, Pages 239-243

6. Dielectric relaxation studies on molecular interaction in binary mixture of dimethylene chloride with n-methylformamide

Pawar, V.P. and Patil, A.V.  
Fluid Phase Equilibria, Volume 376, Year 2014, Pages 111-115

7. Dielectric relaxation study of amines in 2,3-butanediol mixture using picosecond time domain reflectometry technique

Swami, M.B. and Pawar, V.P. and Hudge, P.G. and Kumbharkhane, A.C.  
Journal of Molecular Liquids, Volume 190, Year 2014, Pages 178-184

8. **Molecular interaction study of multi-functional group of alcohols through dielectrics using TDR**  
Achole, B.D. and Pawar, V.P.  
Journal of Physics: Conference Series, Volume 490, Year 2014
9. **Microwave dielectric spectra and molecular interaction in a binary mixture of ethanolamine with diethanolamine**  
Patil, A.V. and Pawar, V.P.  
Journal of Molecular Liquids, Volume 188, Year 2013, Pages 1-4
10. **Dielectric relaxation study of hydrogen bonded structures in ethanolamine with diethanolamine using TDR technique**  
Patil, A.V. and Shinde, G.N. and Pawar, V.P.  
Journal of Molecular Liquids, Volume 168, Year 2012, Pages 42-46
11. **Dielectric relaxation study of acetonitrile with 1,2-dichloroethane using TDR**  
Pawar, V. P.;Patil, A. V.;Mehrotra, S. C.  
Proceedings - IEEE International Conference on Dielectric Liquids, Volume 2, Year 2011, Pages 297-306
12. **Study of interaction through dielectrics: Behavior of - OH group molecules from 10 MHz to 20 GHz**  
Achole, B. D.;Patil, A. V.;Pawar, V. P.;Mehrotra, S. C.  
Journal of Molecular Liquids, Volume 159, Year 2011, Pages 152-156
13. **Dielectric relaxation study of solute-solvent interaction between dimethylene chloride and dimethylformamide using time domain reflectometry**  
Pawar, V. P.;Patil, A. V.;Patil, A. R.;Mehrotra, S. C.  
Journal of Molecular Liquids, Volume 155, Year 2010, Pages 16-19
14. **Temperature dependent dielectric relaxation study of acetonitrile with chlorobenzene at microwave frequency using time domain reflectometry**  
Shere, I. G.;Pawar, V. P.;Mehrotra, S. C.  
Journal of Molecular Liquids, Volume 133, Year 2007, Pages 116-119
15. **Dielectric relaxation of propan-1-ol with chlorobenzene, 1,2-dichloroethane, and dimethylene chloride at (288, 298, 308, and 318) K using time-domain reflectometry technique**  
Pawar, V.P.  
Journal of Chemical and Engineering Data, Volume 51, Year 2006, Pages 882-885
16. **Temperature-dependent dielectric relaxation study of chlorobenzene with n-methylformamide from 10 MHz to 20 GHz**  
Pawar, V. P.;Patil, A. R.;Mehrotra, S. C.  
Journal of Molecular Liquids, Volume 121, Year 2005, Pages 88-93
17. **Dielectric relaxation study of chlorobenzene with formamide at microwave frequency using time domain reflectometry**

Pawar, V. P.; Mehrotra, S. C.  
Journal of Molecular Liquids, Volume 115, Year 2004, Pages 17-22

18. Dielectric relaxation study of dimethylene chloride with ethanol using time domain reflectometry

Pawar, V. P.; Mehrotra, S. C.  
Journal of Molecular Liquids, Volume 108, Year 2003, Pages 95-105

19. Dielectric relaxation study of liquids having chloro group with associated liquids. I. Chlorobenzene with methanol, ethanol, and 1-propanol

Pawar, V. P.; Mehrotra, S. C.  
Journal of Solution Chemistry, Volume 31, Year 2002, Pages 559-576

20. Dielectric relaxation study of chloro group with associative liquids. II. 1,2-Dichloroethane with methanol, ethanol, and 1-propanol

Pawar, V. P.; Mehrotra, S. C.  
Journal of Solution Chemistry, Volume 31, Year 2002, Pages 577-588

21. Influence of molecules with chloro group on the associative liquid methanol: A dielectric relaxation approach

Pawar, V. P.; Raju, G. S.; Mehrotra, S. C.  
Pramana - Journal of Physics, Volume 59, Year 2002, Pages 693-699

22. Evaluation of discontinuities in microstrip transmission lines by picosecond time domain reflectometry technique

Sharma, B. R.; Pawar, V. P.; More, N. M.; Mehrotra, S. C.  
IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), Volume 19, Year 2002, Pages 119-124

23. Dielectric relaxation study of chlorobenzene-dimethylformamide mixtures using time domain reflectometry

Pawar, V. P.; Mehrotra, S. C.  
Journal of Molecular Liquids, Volume 95, Year 2002, Pages 63-74

24. Dielectric relaxation study of liquids having chloro group with liquids: I Chlorobenzene with methanol, ethanol and propan-1-ol

V. P. Pawar and S. C. Mehrotra  
J. Sol. Chem, Volume , Year 2002, Pages

25. Measurement of transmission line parameters using the Time Domain technique

Pawar, V. P.; More, N. M.; Mehrotra, S. C.  
IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), Volume 17, Year 2001, Pages 347-349

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<https://vidwan.inflibnet.ac.in/>