

## **Curriculum Vitae of Dr. V. P. Pawar**

(A) Name & Address of the teacher: Dr. Vyankat Pandurang Pawar  
M.Sc., M.Phil., Ph.D., FIETE  
Principal  
Mahatma Gandhi Mahavidyalaya  
Ahmedpur-413 515, Dist-Latur(MS)  
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Mob: 9420327747  
Email: [pawar\\_vyankat@yahoo.com](mailto:pawar_vyankat@yahoo.com)  
<https://vidwan.inflibnet.ac.in/profile/284073>

Designation: Principal (Professor Grade)

Date of birth: 02 July 1966

### **(B1) Teaching Experience**

**YY 37 MM 04 DD 24**

Course Taught	Name of University/College/ Institution	Duration
i) U.G. (B.Sc.)	1. M.U. Mahavidyalaya, Udgir	1988 to
	2. Sunderrao Solanke Mahavidyalaya, Majalgaon	2026
	3. Mahatma Gandhi Mahavidyalaya, Ahmedpur	
ii) P.G.(M.Sc.)(Electronics)	M.U. Mahavidyalaya, Udgir	From 1991 to 2008

### **(B2) Administrative Experience**

**(YY/MM): 10/09**

Post	Name of University/College	Duration
<b>Principal</b>	M.U. Mahavidyalaya, Udgir	From 09/12/2009 to 24/03/2011
Head, Dept. of Phy/Ele	M.U. Mahavidyalaya, Udgir	25/03/2011 to 20/04/2016
<b>Principal</b>	Sunderrao Solanke. Mahavidyalaya, Majalgaon, Dist-Beed	21/04/2016 to 19/04/2021
Head, Dept. of Phy/Ele	M.U. Mahavidyalaya, Udgir	20/04/2021 to 29/08/2021
Professor & Head	M.U. Mahavidyalaya, Udgir	30/08/2021 to 15/07/2025
<b>Principal</b>	Mahatma Gandhi Mahavidyalaya, Ahmedpur	16/07/2025 to 27/01/2026

**(C) Educational Qualification**

	Univ./Board	Year of passing	Subjects	% Marks Obtained	Class/ Div.Obt.
S.S.C.	Aurangabad	1981	Marathi,Hindi, English,Math.,Science	73.14	I
H.S.C.	Aurangabad	1983	Physics,Chemistry, Mathematics,Technical	54.83	II
B.Sc.	Marathwada	1986	Physics,Electronics, Mathematics	60	I
M.Sc.	Marathwada	1988	Physics,(Ad.Electronics as special subject)	62	I
M.Phil.	Shivaji	1998	Electronics	A-Grade	
Ph. D.	Dr.B.A.M.Univ.	2001	Physics	-----	
C.C.C.P. (BASIC)	Marathwada	1989	Computer	76.50	I

**(D) Teacher Fellowship Awards/Research contribution/NAAC**

Research	Title of work/Thesis	University where work is carried out
M.Phil. (Under UGC VIII <sup>th</sup> plan From 10/08/1994 to 09/08/1995)	Computer Based on line monitoring of Induction Motor	Dept. of Physics, Shivaji University, Kolhapur
Ph.D. (Completed under UGC IX <sup>th</sup> plan From 13/07/1999 To 12/07/2001)	Study of Binary Polar Liquids using Differential TDR Technique	Dept. of Physics, Dr. B.A. Marathwada University, Aurangabad(MS)
Research Guidance (02 M.Phil.& 06 Ph.D. awarded)	(i) Simulation of Logic Gates using VHDL (ii) Verilog modeling and FPGA implementation of logic gates (iii) Microwave study of	Dept. of Physics, M.U. Mahavidyalaya, Udgir  Dept. of Physics, M.U.

	<p>polar liquids...</p> <p>(iv) Study of binary polar liquids at microwave frequency using TDR</p> <p>(v) Microwave properties of binary liquids using time domain reflectometry</p> <p>(vi) Study of Structural Changes at Melting Points</p> <p>(vii) Dielectric Relaxation Study of organic solute-solvent mixtures through Time Domain Reflectometry</p> <p>(viii) Microwave dielectric properties in binary mixtures of polar liquids using microwave techniques</p>	<p>Mahavidyalaya, Udgir &amp; Dr.B.A.M.University, Aurangabad</p> <p>Dept. of Physics/Electronics, M.U. Mahavidyalaya, Udgir &amp; S.R.T.M.University, Nanded</p> <p>Dept. of Physics, Sunderrao Solanke Mahavidyalaya, Majalgaon</p>												
<p>Guided 100 students of M.Sc. (Applied Electronics) and Electronics &amp; M.Sc.(Dairy Science)</p>	<p>Project, seminar and Inplant training</p>	<p>Dept. of Physics/Electronics, M.U. Mahavidyalaya, Udgir BHEL, Sterlite , Garware etc....</p>												
<p>Publications- 97 (Appendix-A)</p>	<table> <tr> <td>International-</td> <td>52</td> </tr> <tr> <td>Papers in SCOPUS-</td> <td>26</td> </tr> <tr> <td>National-</td> <td>07</td> </tr> <tr> <td>University-</td> <td>01</td> </tr> <tr> <td>International Con.Proc.-</td> <td>04</td> </tr> <tr> <td>National Conf.Proc.-</td> <td>31</td> </tr> </table>	International-	52	Papers in SCOPUS-	26	National-	07	University-	01	International Con.Proc.-	04	National Conf.Proc.-	31	
International-	52													
Papers in SCOPUS-	26													
National-	07													
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International Con.Proc.-	04													
National Conf.Proc.-	31													
<p>Paper presented-(Appendix-B)</p>	<table> <tr> <td>International-</td> <td>10</td> </tr> <tr> <td>National</td> <td>- 39</td> </tr> </table>	International-	10	National	- 39	<p>Norway, Germany, UK(Manchester, London), USA &amp; Portugal</p>								
International-	10													
National	- 39													

Conference attended- (Appendix-C)	International - 15 National - 33 State+ other - 39	
Text+ Other Book Published		02+09
NAAC Peer Team Visits(03)	Peer Team Member, NAAC Bangalore	1. Government College, Kartala(CS)(April 2022) 2. Govt first Grade College Hullahally,Karnataka(28- 29 December 2022) 3. Government First Grade College, Dandeli, Karnataka(30-31 January 2023)

### Research projects completed

(One minor research project)

Title of the project	Name of the funding Agency	Duration
Dielectric relaxation study of chloro group molecules with amides at microwave frequency	UGC	Jan., 2002 to Jan., 2004

### (E) Contribution in the NAAC/University work

- [1] NAAC Peer Team Member, NAAC Bangalore(2022 onward)
- [2] Chairman, Board of Studies in Electronics, S. R. T. Marathwada University, Nanded (2007-2011).
- [3] Member, Board of Studies in Physics, Rajarshi Shahu Mahavidyalaya(Autonomous) Latur(2022-).
- [4] Member, Library committee, S. R. T. Marathwada University, Nanded (2007-2011)
- [5] Invited member, Board of Studies in Electronics, S. R. T. Marathwada University, Nanded(2001-2006 & 2013)

- [6] Member, Board of Studies in Physics, RSM Latur(Autonomous) S. R. T. Marathwada University(2021-2026)
- [7] Subject expert in Physics and Electronics, S. R. T. Marathwada University, Nanded
- [8] Member, RRC & RAC in Electronics, SRTM Univ., Nanded (2012-)
- [9] Chairman, PG spot admission committee
- [10] Member, Readers designation committee
- [11] Chairman/Member, affiliation committee
- [12] Chairman/Member, permanent affiliation committee
- [13] Chairman, summer 2008 examination flying squad
- [14] Chairman/Member, Research Laboratory recognition committee
- [15] Chairman, Enquiry committee(2012)
- [16] Paper setter and examiner for post graduate examination in Electronics, S. R. T. Marathwada University, Nanded and Shivaji University Kolhapur

**(F) Contribution of faculty in the College/Department**

- [1] Major contribution to start M.Sc. Applied Electronics Course in Marathwada region
- [2] N.C.C. care taker (1998-1999)
- [3] Member NAAC's steering committee
- [4] Chairman/Member, IQAC
- [5] Chairman, Internet, Intercom & Computerization of office and library
- [6] Chairman, Quiz contest committee
- [7] Member, discipline committee
- [8] Member, NAAC's feedback committee
- [9] Staff secretary (2004-2005)
- [10] Chairman, Information Technology committee
- [11] Member, Opinion polls
- [12] Member, Seminar/Conferences/symposia/workshop
- [13] Chairman minor/major research project committee
- [14] Chairman and Member, Light and sound committee
- [15] Chairman and member, Science association
- [16] Chairman and member, Vignyan mandal
- [17] Chairman, Physics/Electronics club
- [18] Chairman/Member of admission, science association, science exhibition committee

- [19] Laboratory development for post graduate course in the recent fields likes microcontroller, power electronics, microwave, numerical methods, optical fiber, VHDL etc.
- [20] Guest lectures on dairy technology for M.Sc.(Dairy Science), MUCU
- [21] Arranged rally for Tsunami relief fund in Udgir city (Dec, 2004)
- [22] Chief organizer for NSS camp, 2009-10 & 2010-2011, 2016-2021

**(G) NCC and NSS:**

- i) NCC 'B' Certificate, 53 Maharashtra BN NCC Latur (1986)
- ii) NCC care taker, M. U. Mahavidyalaya, Udgir (1998-1999)
- iii) National Service Scheme (NSS), Marathwada University, Aurangabad (1984-85)

**(H) Journals Subscribed:**

- 1. IETE Technical Review, New Delhi (Biomonthly)
- 2. Bulletin of Indian Association of Physics Teachers, Kanpur (Monthly)
- 3. Physics News, Bulletin of the IPA, BARC, Mumbai (Quartely)
- 4. Chemical & Engineering news, USA, <http://pubs.acs.org/> (Monthly)
- 5. Sadhana

**(I) Life member of professional bodies:**

- 1. Institution of Electronics and Telecommunication Engineers(IETE), New Delhi
- 2. Indian Physics Association(IPA), Bhabha Atomic Research Centre, BARC, Mumbai
- 3. Indian Association of Physics Teachers(IAPT), Kanpur
- 4. Indian Science Congress(L15287), Kolkatta
- 5. Marathi Vidnyan Parishad, Udgir(Maharashtra)
- 6. Marathwada Sahitya Parishad
- 7. Andha Shrudha Nirmulan Samittee
- 8. Member, MUCTA

**(J) Linkage and collaboration:**

- i. Department of Physics, Microwave Research Laboratory, Dr.B.A.M. University, Aurangabad.
- ii. Department of Physics, Deogiri College, Aurangabad
- iii. Department of Physics & Electronics, Dayanand Science College, Latur
- iv. Department of Physics & Electronics, Microwave Laboratory, Maharashtra Udayagiri Mahavidyalaya, Udgir

**(K) Any other:**

- **National Fellow** of Institution of Electronics and Telecommunication Engineers, New Delhi **(2002)**
- American Biographical Institute Inc. appointed as the **Research board of advisors (2003)**
- American Biographical Institute Inc. nominated as the **Man of the year (2003)**
- The Marquis Who's Who publication board in America included biography in 21<sup>st</sup> Edition **(2004)**
- Who's Who in Science and Engineering publication board in America included biography in 8<sup>th</sup> Edition **(2005)**
- Biography is included, International Biographical Centre, **Great Britain**
- Worked with Marathi Vidnyan Parishad and Marathi Sahitya Parishad since **1991**
- Member of Andhashradya Nirmulan Samitee and participated in many programs
- Recognised post-graduate teacher in Applied Electronics

**(L) Conferences/Workshop organized:**

1. UGC sponsored State level conference on, Terrorism & Humanrights, M U Mahavidyalaya Udgir, 09 January 2010.
2. UGC sponsored National conference on Maulana Abul Kalam Azad:Life & contribution, M U Mahavidyalaya Udgir, 10 January 2010
3. MSP Mandals One day orientation on dimensions of quality enhancement for IQAC co-ordinators, S S Mahavidyalaya, Majalgaon**(04 September 2016)**
4. MSP Mandals One day orientation in the subject History, S S Mahavidyalaya, Majalgaon**(04 September 2016)**
5. MSP Mandals One day orientation in the subject Sociology, S S Mahavidyalaya, Majalgaon**(04 September 2016)**
6. MSP Mandals One day orientation in the subject Economics, S S Mahavidyalaya, Majalgaon**(04 September 2016)**
7. National conference on Population growth: Environmental degradation problems and prospects**(27 September 2016)**
8. National conference on Innovative trends in commerce and management**(27 September 2016)**
9. National conference on Farmers suicide: Facts, causes and remedies**(27 September 2016)**

10. Regional Workshop on Cashless India, Sunderrao Solanke Mahavidyalaya & Rotary Club Majalgaon(**21 December 2016**)
11. Workshop on Voters Awareness, Sunderrao Solanke Mahavidyalaya, Majalgaon(**24 December 2016**)
12. Workshop on Voters Awareness, Sunderrao Solanke Mahavidyalaya, Majalgaon(**24 December 2016**)
13. Workshop on ICT Awareness, Sunderrao Solanke Mahavidyalaya(**26 December 2016**)
14. Workshop on SEBI, Sunderrao Solanke Mahavidyalaya, Majalgaon(**06 January 2017**)
15. One day workshop on Training for environment protection, jointly organized by Dr.B.A.M.University & Sunderrao Solanke Mahavidyalaya, Majalgaon(**17 February 2017**)
16. Two day workshop on Life long learning & extension activities, jointly organized by Dr.B.A.M.University & Sunderrao Solanke Mahavidyalaya, Majalgaon(**17-18 February 2017**)
17. Workshop on Introduction to National Career Services, Sunderrao Solanke Mahavidyalaya, Majalgaon(**22 February 2017**)
18. National conference on the problems of dowry:Challenges and remedies, Sunderrao Solanke Mahavidyalaya, Majalgaon (**11 September 2017**)
19. MSP Mandals & S. S. Mahavidyalaya Majalgaon jointly organised, One day orientation for the Administrative Staff at Swatantrya Senani Ramrao Awargaonkar Law College, Beed(**19 August 2018**)
20. Two day workshop on Life long learning & extension activities, jointly organized by Dr.B.A.M.University & Sunderrao Solanke Mahavidyalaya, Majalgaon(**18-19 February 2019**)
21. MSP Mandal & S. S. Mahavidyalaya Majalgaon jointly organised, One day Human Resource Enrichment programme for Material Science at Swatantrya Senani Ramrao Awargaonkar Law College, Beed(**18 August 2019**)(**Resource Person**)
22. One day workshop on Voters awareness Programme,Jointly organized by Department of Extra Mural, Dr.B.A.M.University &, Sunderrao Solanke Mahavidyalaya Majalgaon(**10 December 2019**)

23. Two day workshop on Personality Development, Life long learning & extension activities, jointly organized by Dr.B.A.M.University & Sunderrao Solanke Mahavidyalaya, Majalgaon(18-19 February 2019)
24. National conference on Recent Trends in Physics, Chemistry & Mathematics, Sunderrao Solanke Mahavidyalaya Majalgaon(04 February 2020)
25. NAAC sponsored National conference on New Accreditation Process and Quality Enhancement for Rural Colleges, Sunderrao Solanke Mahavidyalaya Majalgaon(04-05 February 2020)
26. International(Web) conference on Recent advances in freshwater aquaculture, jointly organized by Sunderrao Solanke Mahavidyalaya, Majalgaon, Nepal Aquaculture Society, Kathmandu Nepal, Asian Biological Research Foundation, Prayagraj & Glocal Environment & Social Association, New Delhi(21-22 January 2021)
27. International web conference on New vistas in aquatic & terrestrial Biology and environment during current pandemic(ATBE-2021), jointly organized by Sunderrao Solanke Mahavidyalaya, Majalgaon, Nepal Aquaculture Society, Kathmandu Nepal, Glocal Environment & Social Association, New Delhi & Nanasaheb Y. N. Chavan ASC College, Chalisgaon(26-27 March 2021)
28. Online International seminar on Opportunities in physical sciences, Maharashtra Udayagiri Mahavidyalaya, Udgir(30 September 2021)(Convener)

**(M) Text & Other Book Published**

Sr. No	Author/Editors	Title of Book/Proceeding	Publisher	Year
1	P.G.Hudge, V.P.Pawar, M.S.Khandekar and M.B.swami	A Text Book of Practical Physics for B.Sc.First Year(Paper-V)	Aruna Prakashan, Latur ISBN:978-93- 83389-91-9	December 2014
2	Editor	Gurugi: Gandhiwadi Sahebrao Pawar	Self	December 2015
3	Chief Editor	Population Growth Environmental Degradation: Problems and prospects	Radheya Publication, Beed ISBN 978-1-63535-117-0	September 2016

4	Chief Editor	Proc: Innovative trends in commerce and management	Radheya Publication, Beed ISBN 978-1-63535-489-8	September 2016
5	Chief Editor	Farmers suicide: Facts, reason and solution	Radheya Publication, Beed ISBN 978-1-63535-675-5	September 2016
6	Chief Editor	National conference on the problems of dowry: Challenges and remedies	ISSN 2320-4494 RNI No. MAHAUL 03008/13/2012-TC	September 2017
7	Suresh Mehrotra, Ashok Kumbharkhane & Ajay Chaudhary (Chapter Sixth: Molecular interaction in associating and non-associating polar liquids) <b>Elsevier</b>	Binary Polar Liquids: Structural and Dynamic Characterization using Spectroscopic Methods	ISBN:978-0-12-813253-1  <b>Elsevier</b> <a href="https://www.sciencedirect.com">https://www.sciencedirect.com</a>	June 2017
8	Chief Editor	New Accreditation Process and Quality Enhancement for Rural Colleges(NAPQR-2020)	ISSN: 2394-3114 Vol-40(5) Studies in Indian Place Names(UGC Care Journal)	04-05 February 2020
9	Guest Editor & Chief organiser	Conference Proceeding: National conference on recent trends in Physics, Chemistry & Mathematics, SSM Majalgaon	ISSN: 0474-9030 Vol-68(SPECIAL issue-12) Our Heritage(UGC Care Listed)	04 February 2020
10	Sanjay Vyaware, Vyankat Pawar & Vishal Panse	Quantum Mechanics	Lambert Academic Publishing ISBN:978-620-2-67766-0	June 2020
11	Editor	International(We b) conference on Recent advances in freshwater aquaculture(RAF	International Journal for Innovative Research in Multidisciplinary	21-22 January 2021

		A-2021) Conference Special Issue (Chief Organiser)	Field, Research Culture Society and Publication ISSN:2455-0620	
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**(N) Inspirational Speeches**

1. Sally Ride
2. Neel Armstrong
3. Successful Mars Mission-2014
4. A P J Kalam-Agnipankh
5. Science Day

**(O) Special Awards**

1. **University level Best Teacher Award, SRTM University, Nanded (2011)**
2. **State Level Karyagaurav Puraskar, Srusti Yuva Foundation, Pune(2023)**
3. State level Best Principal Award, Kavyamitra Social organization, Pune (2013)
4. National Special Award, Kavyamitra Sansta, Pimpri-chinchwad(MS)(April 2017)
5. State Level Pariwartan Award, Pariwartan Social Organisation, Naldurg(MS)(October 2017)
6. **Vishwashantidoot National Teacher Award, Vishwashantidoot Pariwar and Krantijyoti Samagik Shikshan Sansta, Ner(October 2018)**
7. **Gaurav Maharashtra:Shikshan Seva National Award, Lifestar Global Welfare Foundation & Jaihind Pariwar, Bharatdarshan National Festival, Pune(October 2018)**
8. **Swacheta Ranking First Award, Majalgaon Municipal corporation, Majalgaon(2018)**
9. State level Jeevan Gaurav Award, Yeshwanti Prernadaye Social Organisation, Pune(24 May 2019)
10. **Blind Empowerment Champions Award, Indian Association for the blind, Madurai(09 February 2019)**
11. **Vignyan Bhushan Award, Purogami Vichar Prabodhini Social organisation, Udgir(February 28, 2009)**
12. UGC Teacher Fellow(1994-95, 1999-2001)
13. Best research paper presentation Award(Poster), National conference, Swami Ramanand Teerth Marathwada University, Nanded(December 2017)
14. Best research paper presentation Award(Oral), National conference (2009)
15. Best research paper presentation Award(Poster), National conference (2009)

16. **International** Best research paper presentation Award, International conference, New York, USA(4-5 June 2019)
17. Ideal Examination Centre Award, Dr. B. A. Marathwada University, Aurangabad(23 August 2019)
18. National Idol Principal Award, Kaksad National Magazine Patrika, National Book Trust, Nehru Bhavan, New Delhi(29 September 2019)
19. Sunderrao Solanke Mahavidyalaya Recognised Social Entrepreneurship, Swachhta & Rural Engagement Cell(SES REC) Institution, Mahatma Gandhi National Council of Rural Education, Department of Higher Education, Ministry of Education, **Government of India(27 August 2020)**
20. **Best Research Paper presentation Award**, National E-Conference on Advanced Research in Materials Science, Kamraj College, Thoothukudi, Tamil Nadu(22-23 February 2021)
21. State Level Karyagaurav Award, Aarya Samaj Granthlaya, Pimpri, Pune(04 September 2021)
22. Nominated by S. R. T. M. University for State level 'Best Teacher Award' (2008-09)
23. Nominated by S. R. T. M. University for State level 'Best Teacher Award' (2009-10)
24. Nominated by College for State level 'Best Teacher Award' (2012-13)
25. Presented papers in the International conference at **Norway, Germany, UK, USA & Portugal**(2011, 2012, 2017, 2019, 2024)
26. Guided post graduate students for a scientific model," An Eye in the Sky" for Research festival Avishkar-2007. **Model stood second** at university level.(2007)
27. Guided graduate students for a scientific model, "Biodiesel" foe state level science exhibition held at Beed. **Model adjudged third.** (2008)
28. Guided two student for Kishore Vaigyanik Protsahan Yojana(KVPY), Indian Institute of Science, Bangalore(2004)
29. Maharashtra Kesari Idol 2025

**(P) Administrative experience as a Principal(2009-2011 & 2016-2021, 2025-2028)**

1. Started M.Com. & M.Sc.(Chemistry) at Sunderrao Solanke Mahavidyalaya, Majalgaon(2016)
2. Constructed Canteen, Cycle stand, SSM, Majalgaon(2017)
3. Framed and developed Running Trac SSM, Majalgaon,(2017)
4. First time started two Girl's Hostel with free accommodation. Meals provided to 54 girls free of cost in the year(2016-2018)
5. Started Gym for Boys and Girls.(2017-2018)
6. Build Wooden Badminton court(2017)
7. Introduced Assure quality management services, ISO 9001-2015(2017)
8. Introduced Assure quality management services, Green Audit(2017)
9. Organised 07 National conferences(2016, 2017 & 2020)
10. Organised 02 international(Web) conference(**2021**)
11. Re-accredited(Third Cycle) college with A grade(CGPA 3.21) by NAAC(**27 November 2017**)
12. Dr. B. A.Marathwada University awarded Ideal Examination Centre award(**23 Aug 2019**)
13. Arranged Placement camp(**01 September 2019**)

## **Publications (Appendix-A)**

**Format:** Name of the author(s), Title, Name of the Journal, Page, Volume, year  
(**International Journal**) (Citation indices -445, h-index-13, i10-14)

- [1] V. P. Pawar and S. C. Mehrotra,  
Dielectric relaxation study of liquids having chloro group with liquids: I Chlorobenzene with methanol, ethanol and propan-1-ol.,  
J. Sol. Chem., 559-576, 31(7) (2002) (Impact factor-1.335)
- [2] V. P. Pawar and S. C. Mehrotra,  
Dielectric relaxation study of liquids having chloro group with liquids: II. 1,2 dichloroethane with methanol, ethanol and propan-1-ol,  
J. Sol. Chem., 577-588, 31(7) (2002) (Impact factor-1.335)
- [3] V. P. Pawar and S. C. Mehrotra,  
Dielectric relaxation study of chlorobenzene-dimethylformamide mixtures using time domain reflectometry,  
J. Mol. Liq., 63-74, 95(1), (January 2002) (Impact factor-1.649)
- [4] V. P. Pawar, G. S. Raju and S. C. Mehrotra  
Influence of molecules with chloro group on the associative liquid methanol: A dielectric relaxation approach,  
Pramana –J of Physics, 693-699, 59(4) (2002) (Impact factor-0.561)
- [5] V. P. Pawar and S. C. Mehrotra,  
Dielectric relaxation study of dimethylene chloride with ethanol using time domain technique,  
J.Mol.Liq., 95-105, 108/1-3 (November 2003) (Impact factor-1.649)
- [6] V. P. Pawar and S. C. Mehrotra,  
Dielectric relaxation study of chlorobenzene with formamide at microwave frequency using time domain reflectometry  
J.Mol.Liq., 17-22, 115/1 (15 October 2004) (Impact factor-1.649)
- [7] V. P. Pawar, A. R. Patil and S. C. Mehrotra,  
Dielectric relaxation study of chlorobenzene with N-methyl formamide at different temperatures using time domain reflectometry technique,  
J.Mol.Liq., 121/2-3, 88-93 (15 September 2005) (Impact factor-1.649)
- [8] V. P. Pawar

- Dielectric Relaxation study of Propane-1-ol with Chlorobenzene, 1,2-Dichloroethane and Dimethylene Chloride at (288, 298, 308 and 318) K using Time-Domain Reflectometry Technique  
J. Chem. Engg. Data, 51, 882-885 (2006) (Impact factor-2.089)
- [9] I. G. Shere, V. P. Pawar and S. C. Mehrotra  
Temperature dependent dielectric Relaxation study of acetonitrile with chlorobenzene at microwave frequency using time domain reflectometry,  
J.Mol.Liq., 133, 116-119 (15 March 2007) (Impact factor-1.649)
- [10] V. P. Pawar A. V. Patil, A. R. Patil and S. C. Mehrotra  
Dielectric relaxation study of solute-solvent interaction between dimethylene chloride and dimethyl formamide using time domain reflectometry,  
J.Mol.Liq., 151, 16-19 (15 August 2010) (Impact factor-1.649)
- [11] B.D. Achole, A.V. Patil, V.P. Pawar and S.C. Mehrotra  
Study of interaction through dielectrics: Behavior of -OH group molecules from 10 MHz to 20 GHz,  
J.Mol.Liq., 159, 152-156 (1 March 2011) (Impact factor-1.649)
- [12] A.V. Patil, G.N. Shinde and V.P. Pawar  
Dielectric relaxation study of hydrogen bonded structures in ethanolamine with diethanolamine using TDR technique  
J.Mol.Liq., 168, 42-46 (April 2012) (Impact factor-1.649)
- [13] A.V. Patil and V.P. Pawar  
Microwave dielectric spectra and molecular interaction in a binary mixture of ethanolamine with diethanolamine  
J.Mol.Liq., 188, 1-4 (December 2013) (Impact factor-2.149)
- [14] M. B. Swami, V. P. Pawar, P. G. Hudge and A. C. Kumbharkhane  
Dielectric relaxation study of amines in 2,3 butanediol mixture using picoseconds time domain reflectometry technique  
J.Mol.Liq., 190, 178-184 (February 2014) (Impact factor-1.649)
- [15] V. P. Pawar and A.V. Patil  
Dielectric relaxation studies on molecular interaction in binary mixture of dimethylene chloride with n-methylformamide  
Fluid Phase Equilibria, 376, 111-115 (June 2014) (Impact factor-2.379)
- [16] V. P. Pawar and A.V. Patil

Dielectric and thermodynamic properties in a binary mixture of dimethylene chloride with formamide  
J.Mol.Liq.,206, 239-243 (**June 2015**) (**Impact factor-2.08**)

[17] M. B. Swami, P. G. Hudge and V. P. Pawar

Dielectric properties of benzylamine in 1,2,6 hexanetriol mixture using Time Domain Reflectometry Technique, J. Adv. Dielect., DOI: 10.1142/S2010135X1650034X, 1650034-1 to 5 ,6(4) (**2016**) (**Impact factor-1.12**)

[18] Shagufta Tabassum and V. P. Pawar

Complex permittivity spectra of binary polar liquids using time domain reflectometry, Journal of Advanced Dielectrics, 8(3), 1850019-1-6(6 pages), DOI: 10.1142/S2010135X18500194(**28 June 2018**) (**Impact factor-1.12**)

[19] Shagufta Tabassum, V. P. Pawar and A. V. Patil

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**Papers Presented at Conferences/Seminars/Symposia etc. (Appendix-B)**

<b>Sr. no.</b>	<b>Name of the Author/s</b>	<b>Year</b>	<b>Title of paper</b>	<b>Name of symposia/conference</b>	<b>Sponsoring Agency</b>
1	V.P.Pawar, M.D.Uplane & C.D.Lokhande	1995	Microprocessor based ac current measurement system for high power application	National conference on developments in electronic materials and their applications	UGC Shivaji University, Kolhapur
2	V.P.Pawar, D.S.Mali, S.D.Lokhande & M.D.Uplane	1998	The computer based data acquisition system for on line monitoring of induction motor	International conference on Computer application in electrical engineering, Recent advances	AICTE, CSIR, DST, IEEE, Department of Electrical Engineering, University of Roorkee
3	M.K.Fugare, V.P.Pawar & P.B.Patil	2000	Measurement of Transmission line impedance using the time domain reflectometry Technique.	Indian Association of Physics teacher, XV <sup>th</sup> convention	IAPT & Punjab University
4	V.P.Pawar & S.C.Mehrotra	2001	Temperature dependent dielectric relaxation study of chlorobenzene with dimethylformamide using time domain reflectometry technique	National conference on Microwave measurement technique	ISRO, CSIR, UGC, Dr.B.A.M. University
5	V.P.Pawar, G.S.Raju & S.C.Mehrotra	2001	Printed circuit board response using time domain reflectometry technique	National conference on Microwave measurement technique	ISRO, CSIR, UGC, Dr.B.A.M. University
6	V.P.Pawar	2002	Study of semiconductor junctions using differential TDR techniques,	National seminar on Electro and Magneto Ceramics, Devices and systems	UGC S.M.Mahavidyalaya, Akhuj
7	V.P.Pawar & S.C.Mehrotra	2002	Dielectric relaxation of dimethylene chloride + propan-1-ol using time domain reflectometry,	National conference on Microwave Measurement Techniques and Applications	IEEE EDMTT chapter, DRS UGC Program SES JNU Senior Microwaves, New Delhi, CSIR, MIT, Delhi DRDO, ICMR MAS, Delhi
8	V.P.Pawar, A.R.Patil & S.C.Mehrotra	2004	Static dielectric constant and relaxation time for the binary mixture of chlorobenzene with n-methylformamide at	National conference on Microwaves and Optoelectronics	ISRO, BRNS, DST, CSIR, Dr.B.A.M. University, UGC, IEEE(MTT Chapter), IETE(Aurangabad

			different temperatures		chapter) & MIT Delhi
9	V.P.Pawar, G.S.Raju & S.C.Mehrotra	2004	Dielectric relaxation study of chloro group molecules with associative liquid ethanol	National conference on Microwaves and Optoelectronics	ISRO,BRNS, DST,CSIR, Dr.B.A.M. University, UGC, IEEE(MTT Chapter), IETE(Aurangabad chapter) & MIT Delhi
10	I.G. Shere, A.R. Patil, V.P. Pawar and S.C. Mehrotra	2006	Static dielectric constant and relaxation time measurement of acetonitrile with 1,2 dichloroethane at microwave frequency using time domain reflectometry	National conference: Microwave 2006	Univ. of Rajasthan, UGC, DST, IEEE
11	V.P. Pawar, A.R. Patil, B.D. Achole, A.V. Patil, G.N. Shinde and S.C. Mehrotra	2007	Dielectric relaxation study of dimethylene chloride with dimethylformamide using time domain reflectometry	International conference on microwave and optoelectronics ICMO-07	IEEE, IETE, ISRO,UGC DST, MTTs, ICAN, BAMU Aurangabad
12	V. P. Pawar, A. R. Patil, A. V. Patil and G. N. Shinde	2008	Dielectric relaxation study of dimethylene chloride with n-methyl formamide using time domain reflectometry	National seminar on recent trends in Physics	UGC,and Dept. of Physics, Tingle Govt. College for women, Warangal
13	V.P. Pawar and S. V. Awale	2009	VHDL design and simulation of EX-OR Gate	National conference on Challenges and Opportunities in Information Technology and Bioinformatics	SVM Udgir,UGC, CSIR DST, DBT, SRTMU
14	S. V. Awale and V. P. Pawar	2009	Functional simulation of OR gates using VHDL	National conference on Challenges and Opportunities in Information Technology and Bioinformatics	SVM Udgir, UGC, CSIR, DST, DBT, SRTMU
15	B. D. Achole, V. P. Pawar and S. C. Mehrotra	2009	Static Dielectric Constant and Relaxation Time for the Binary Mixture of Tert-Butyl Alcohol with 2-Propanol using	National conference on recent trends in physics and laser technology <b>(Best Presentation</b>	UGC, S.R.T.M.U. Nanded and Dept. of Physics, Gramin Mahavidyalaya, Vasantnagar

			Time Domain Reflectometry Technique	<b>award Second Prize)</b>	
16	A. V. Patil, B.D. Achole, V.P. Pawar and S.C. Mehrotra	2009	Dielectric study of ethanolamine and diethanolamine mixtures through time domain reflectometry technique	National conference on recent trends in Physics and laser technology <b>(Best Poster Presentation award First Prize)</b>	UGC, S.R.T.M.U. Nanded and Dept. of Physics, Gramin Mahavidyalaya, Vasantnagar ( <b>Chairman of Technical Session)</b> )
17	A.V. Patil, B.D. Achole and V.P. Pawar	2010	Dielectric relaxation study of multifunctional compounds mixture using time domain reflectometry technique	National conference on Emerging Trends in Material Science and Communications ETMSC-2010	UGC, S.R.T.M.U. Nanded and Dept. of Physics, Mahatma Gandhi Mahavidyalaya, Ahmedpur
18	B.D. Achole, A.V. Patil and V.P. Pawar	2010	Dielectric study of alcohols at microwave frequency using TDR technique	National conference on Emerging Trends in Material Science and Communications ETMSC-2010	UGC, S.R.T.M.U. Nanded and Dept. of Physics, Mahatma Gandhi Mahavidyalaya, Ahmedpur
19	A.R. Patil, A.V. Patil, M.B. Swami and V.P. Pawar	2010	Study of static dielectric constant and relaxation time of dimethylene chloride with n-methylformamide at (15, 25, 35 and 45) °C using time domain reflectometry technique	National conference on Emerging Trends in Material Science and Communications ETMSC-2010	UGC, S.R.T.M.U. Nanded and Dept. of Physics, Mahatma Gandhi Mahavidyalaya, Ahmedpur
20	S.V. Awale and V.P. Pawar	2010	A New Era in Mobile Communication	9 <sup>th</sup> international conference on emerging issues in accounting and finance, infrastructure development, information technology, business and management	Research Development Association, Jaipur
21	S.V. Awale and V.P. Pawar	2010	Simulation of Bluetooth Using VHDL	National Conference on New Trends in Computer Science	Swami Vivekanand Mahavidyalaya, Udgir
22	M.B. Swami and V.P. Pawar	2010	VLSI Design; A New Approach	National Conference on New Trends in Computer Science	Swami Vivekanand Mahavidyalaya, Udgir

23	S.V. Awale and V.P. Pawar	2011	VHDL implementation of scrambling based band layer of Bluetooth	National conference on emerging trends in biological and information sciences	SRTMU Nanded, UGC, DST, CSIR, BARC and Swami Vivekanand Mahavidyalaya, Udgir
24	M.B. Swami, A.V. Patil and V.P. Pawar	2011	A new trends in VLSI design	National conference on emerging trends in biological and information sciences	SRTMU Nanded, UGC, DST, CSIR, BARC and Swami Vivekanand Mahavidyalaya, Udgir
25	V.P. Pawar, A.V. Patil and S.C. Mehrotra	2011	Dielectric Relaxation Study of Acetonitrile with 1,2-dichloroethane Using TDR	International conference on dielectric liquids ICDL-2011	The Norwegian University of Science & Technology (NTNU), Trondheim, <b>Norway</b> , IEEE, SINTEF Energy Research, DEIS.
26	I. G. Shere & V. P. Pawar	30 March 2012	Dielectric constant study of 10% Butane nitrile with Chlorobenzene using microwave	One day National seminar on Science, Scientists & Society in 21 <sup>st</sup> Century	Mahatma Basweshwar College, Latur UGC & SRTMU
27	I. G. Shere, V. P. Pawar & S. C. Mehrotra	27-29 Feb, 2012	Dielectric relaxation study of Pentene nitrile with 1,2 Dichloroethane at microwave frequency(P-6)	National conference on Materials for Advanced Technologies (NCMAT-2012)	Advanced Materials Research Group, Computational Nano Science & Tech.Lab. IBV-IITM, Gwalior
28	B. D. Achole, A. V. Patil, V. P. Pawar and S.C. Mehrotra	30 July to 01 Aug. 2012	Dielectric relaxation study of hydroxyl group molecules using TDR technique	National conference on recent trends in microwave techniques and applications (Microwave-2012)	S. S. Jain Subodh P.G.College & University of Rajasthan, Jaipur IEEE MTT-S IETE
29	V. P. Pawar, A. V. Patil, B. D. Achole and S. C. Mehrotra	30 July to 01 Aug. 2012	Dielectric relaxation studies on molecular interaction in binary mixture of 1,2-dichloroethane with formamide	National conference on recent trends in microwave techniques and applications (Microwave-2012)	S. S. Jain Subodh P.G.College & University of Rajasthan, Jaipur IEEE MTT-S IETE
30	V. P. Pawar & A. V. Patil,	03-07 Sept. 2012	Dielectric relaxation study of butanenitrile with 1,2-dichloroethane through time domain spectroscopy	International conference on Broad band dielectric spectroscopy and its applications	University of Leipzig, Leipzig, <b>Germany</b> , Build MoNa, Ionic Liquids,SFB TRR 102, Novocontrol Technologies
31	A. V. Patil & V. P. Pawar	29-30	Dielectric relaxation studies on molecular	National conference on Microwave	Maulana Azad College, Aurangabad,

		Nov. 2013	interaction in a binary mixture of multifunctional compounds	Techniques and Applications (NCMTA-2013)	Dr.B.A.M.University, UGC & IETE
32	V. P. Pawar, A. V. Patil, A. R. Patil, B. D. Achole, G. N. Shinde and S.C.Mehrotra	29-30 Nov. 2013	Dielectric relaxation study of 1,2-dichloroethane with n-methyl formamide using microwave dielectric technique	National conference on Microwave Techniques and Applications (NCMTA-2013)	Maulana Azad College, Aurangabad, Dr.B.A.M.University, UGC & IETE
33	M. B. Swami, V. P. Pawar, P. G. Hudge and A.C. Kumbharkhane	29-30 Nov. 2013	Dielectric relaxation behavior of allylamine and 2,3-butanediol mixture using Time Domain Reflectometry Technique	National conference on Microwave Techniques and Applications (NCMTA-2013)	Maulana Azad College, Aurangabad, Dr.B.A.M.University, UGC & IETE
34	A. V. Patil and V. P. Pawar	5-6 Sept. 2014	Study of excess dielectric relaxation properties in a binary mixture of multi-functional compounds using TDR technique	National conference on non conventional energy sources for rural development of India	Mahatma Gandhi Mahavidyalaya, Ahmedpur & UGC
35	V. P. Pawar and A. V. Patil	5-6 Sept. 2014	Thermodynamic properties in a binary mixture of chlorine with C=O molecules at 10-25°C	National conference on non conventional energy sources for rural development of India	Mahatma Gandhi Mahavidyalaya, Ahmedpur & UGC
36	V. P. Pawar and A. V. Patil	15-17 Dec. 2015	Comparative study of structural properties in chlorobenzene with methanol and formamide using microwave dielectric technique	International conference on microwaves, Antenna, propagation & remote sensing	International centre for Radio Science, Jodhpur IEEE, ATMS
37	Shagufta Tabassum and V. P. Pawar	3-7 Jan. 2017	Study of temperature dependent...	Indian Science Congress	Sri Venkateswara University, Tirupati <b>(Research student presented paper)</b>
38	V. P. Pawar	23 Feb. 2017		Innovative trends in electronics and allied technology	Yashavantrao Chavan Institute of Science, Satara(MS) <b>(Chaired session)</b>
39	V. P. Pawar	5-9 Mar 2017	Microwave dielectric relaxation study in binary mixture of polar molecules using TDR technique	International conference on mathematical analysis and its applications,	Department of mathematics, Dayanand Science College Latur. Sponsored by INSA, NSERB, CSIR, SRTMU

					Govt. of India <b>(Invited talk)</b>
40	V. P. Pawar, Shagufta Tabassum & A. V. Patil	25- 29 June 2017	Structural properties in binary mixtures of polar molecules through microwave dielectric technique.	19th IEEE International conference on dielectric liquids(ICDL), Manchester, United Kingdom,	University of Manchester, Manchester United Kingdom <b>(Presented Paper)</b>
41	V. P. Pawar	11 Sept. 2017	Introductory speech	National conference on The problems of dowry:Challenges and remedies, S S Mahavidyalaya, Majalgaon	S S Mahavidyalaya, Majalgaon <b>(Chief organizer)</b>
42	<b>Shagufta Tabassum,</b> V. P. Pawar & A C Kumbharkhane	14- 15 Dec. 2017	Temperature dependent structural properties of polar liquids using microwave technique.	National conference on Dielectric relaxation and spectroscopic techniques, SRTM University, Nanded	School of Physical Sciences, SRTM University, Nanded <b>(Best Poster Presentation Award)</b>
43	<b>V.P.Pawar</b>	14 Feb 2019	Complex and thermodynamic properties of polar liquids using time domain reflectometry in Microwave frequency	National conference on nanomaterials and their applications critical	Arts, Commerce & Science College, Dharur(MS) <b>(Chaired session &amp; presented paper)</b>
44	Shagufta Tabassum & <b>V. P. Pawar</b>	07- 09 Mar. 2019	Structural and thermodynamic properties of polar liquids in microwave frequency range using Time Domain Reflectometry technique.	International conference on Research in Science, Engineering and Technology	University of Roehampton, London, United Kingdom <b>(Presented Paper)</b>
45	<b>V. P. Pawar</b>	4-5 June 2019	Structural Behavior in Binary Mixtures of Polar Molecules through Microwave Dielectric Technique	International conference on Dielectric Materials	World Academy of Science, Engineering & Technology WASET, New York , USA <b>(Presented Paper, Best Research Paper Presentation award)</b>
46	<b>V. P. Pawar</b>	4 Febr uary 2020	Structural study of a binary mixture of multifunctional group molecules using Time Domain Reflectometry	National conference on Recent Trends in Physics, Chemistry & Mathematics	Sunderrao Solanke Mahavidyalaya Majalgaon <b>(Resource Person)</b>

47	<b>V. P. Pawar</b>	4-5 Febr uary 2020	Role of internal quality assurance cell in higher education institutions	NAAC sponsored National conference on New Accreditation Process and Quality Enhancement for Rural Colleges	NAAC & Sunderrao Solanke Mahavidyalaya Majalgaon( <b>Resource Person</b> )
48	<b>V. P. Pawar</b>	21-22 Janu ary 2021	Inaugural Address	International(Web) conference on Recent advances in freshwater aquaculture	Sunderrao Solanke Mahavidyalaya, Majalgaon, Nepal Aquaculture Society, Kathmandu Nepal, Asian Biological Research Foundation, Prayagraj & Glocal Environment & Social Association, New Delhi( <b>Chief Organiser</b> )
49	<b>V. P. Pawar</b>	22-23 Febr uary 2021	Time Domain Reflectometry Technique for the Measurement of Dielectric Properties in Polar Liquids	National E-Conference on Advanced Research in Materials Science,	Kamraj College, Thoothukudi, Tamil Nadu( <b>Best Presentation Award</b> )( <b>Online</b> )
50	<b>V. P. Pawar</b>	08-09 April 2021	A review of green policies, commitment and implementation of sustainable development in higher education	AICP national conference	MIT-World Peace University, Pune
51	<b>V. P. Pawar</b>	23-24 April 2021	Implementing & Learning basic science in Physics, Chemistry & Computer with the help of Mathematics	Two days international conference on, Emerging advancement & challenges in science, technology & management	ACS college Khed & University of Mumbai ( <b>Invited Talk</b> )
52	<b>V. P. Pawar</b>	27 May 2021	Cyber security for digital communication technology	Online national seminar on Cyber-bullying: Approaches, consequences and prevention	KBP Hinduja College of Commerce Western Regional Centre, ICSSR Mumbai
53	<b>V. P. Pawar</b>	01-06 Sept emb er 2024	Temperature Based Study of Dielectric Permittivity and Dielectric Susceptibility in the Binary Mixture of Polar Liquids	12th Conference on Broadband Dielectric Spectroscopy and its Applications (BDS2024), Lisbon, 2024	NOVA University, Lisbon, <b>Portugal</b> ( <b>Presented Paper</b> )

**Paper presented in Conference/Attended Conference, Workshop etc.(Appendix-C)**

- [1] Regional workshop on Microwaves, sponsored by IETE sub centre held at Aurangabad **(14-15 Jan., 1990)**
- [2] Workshop on Commercialization of Renewable Energy Technology (CRET), sponsored by IREDA, New Delhi & School of Energy, held at Shivaji University, Kolhapur **(18-19 Nov., 1994)**
- [3] National conference on developments in electronic materials and their applications (NCDEMA), held at Dept. of Physics, Shivaji University, Kolhapur **(6-8 March, 1995)**  
**(Paper presented)**
- [4] XI<sup>th</sup> National convention of Indian association of Physics teachers (IAPT), held at Dept. of Physics, Dr.B.A.M.University,Aurangabad **(12-14 Dec., 1996)**
- [5] International conference On Computer Applications in Electrical Engineering, *Recent Advances* at Department of Electrical Engineering,University of Roorke, Roorke-247 667, **(1998)**  
**(Paper presented)**
- [6] International conference on Optics and Optoelectronics at IRDE, Dehra Dun-248 008 **(9-12 Dec., 1998)**
- [7] Infotech: Challenges of 21<sup>st</sup> Century, two day state level seminar, UGC sponsored, organised by Govt. College of Arts and Science, Aurangabad **(22-23 Jan., 2000)**
- [8] One day workshop on Intelluctual Property Right (IPR) Patent awareness in collaboration with (PFC), (DST), New Delhi. organised by Dept. of Electronics and Computer Science, Dr. B. A. M. University, Aurangabad **(19 June, 2000)**
- [9] Measurement of Transmission line impedance using the time domain reflectometry Technique. Indian Association of Physics teacher, XV<sup>th</sup> convention. Organised by Dept. of Physics, Punjab University, Chandigarh **(2-4 Nov., 2000)**  
**(Paper presented)**
- [10] National conference on Emerging Trends and Advances in Microwave Measurements and Techniques. Organised by Dept. of Physics, Dr. B. A. M. University, Aurangabad, India **(2-3 March 2001)**  
**(Paper presented)**
- [11] National seminar on, The Frontier between Physics & Astronomy, organised by Dept. of Physics, S.R.T.M. Univ., Nanded **(01 March 1996)**
- [12] National workshop on Microwave Measurement techniques and Applications (MMTA), School of Environmental Sciences, Jawaharlal Nehru University, New-Delhi, India **(6-8 March 2002)**  
**(Paper presented)**

- [13] National seminar on Electro and Magneto Ceramics Devices and Systems, Department of Physics & Electronics, Shankarro Mohite Mahavidyalaya, Akluj **(21-22 Oct., 2002)**  
**(Paper presented)**
- [14] Regional workshop on recent trends in life sciences, Maharashtra Udayagiri Mahavidyalaya, Udgir **(2002)**
- [15] One day national level conference on conservation of fresh water & fresh water management in rural & urban areas, Maharashtra Udayagiri Mahavidyalaya, Udgir **(2003)**
- [16] Workshop on new trends in UGC curriculum for UG courses in Physics & Electronics, Dayanand Science college, Latur(MS), **(10<sup>th</sup> August 2003)**
- [17] Workshop on Micro-controller & Fiber optics, Shri Shivaji College, Parbhani & sponsored by Dynalog Microsystem Ltd., Pune **(27 September 2003)**
- [18] Indian Physics Association national seminar on "Physics education, basic research and new technologies",organised by IPA in collaboration with Homi Bhabha centre for science education (TIFR) and Indian Institute of Technology Bombay, at BARC guest house, Mumbai **(6-8 November 2003)**
- [19] Symposium on Nuclear Energy, organised by Department of Atomic Energy, BARC,Mumbai at P.L.Govt. Polytechnic, Latur **(11 February 2004)**
- [20] National conference on Microwaves and Optoelectronics(NCMO-2004),Department of Physics, Dr.B.A.M.University, Aurangabad**(29-30 June, 2004)** **(Paper presented)**
- [21] One day workshop on B.Sc.III Electronics curriculum, Lal Bahadur Shastri Mahavidyalaya, Dharmabad**(26 September 2004)**
- [22] International conference on Microwaves and Optoelectronics(ICMO-2007), Department of Computer Science & Information Technology and Department of Physics, Dr. B.A.M. University, Aurangabad**(17-20 December 2007)** **(Paper presented)**
- [23] One day workshop on revised Syllabus in B.Sc.I Electronics and Physics, Arts, Commerce and Science Adarsh College, Hingoli **(09 September 2008)**
- [24] National seminar on recent trends in Physics, Dept. of Physics, Tingle Govt. degree and Post Graduate College for women, Warangal **(11-12 September 2008)** **(Paper presented)**
- [25] National conference on New Horizons in biotechnology, Dept. of Biotechnology, Swami Vivekanand Mahavidyalaya, Udgir **(2008)**
- [26] State level seminar on nanotechnology, Shri. Chhatrapati Shivaji Mahavidyalaya, Omerga **(06 October 2008)**

- [27] Impact of Information Technology on College Libraries, Department of Library and Information Science, Shivaji Mahavidyalaya, Udgir **(30-31 January 2009)**
- [28] National conference on recent trends in Physics and Laser Technology, Dept. of Physics, Gramin Mahavidyalaya, Vasantnagar **(28-29 August 2009)** **(Paper presented)**
- [29] UGC sponsored State level conference on, Terrorism & Humanrights, M U Mahavidyalaya Udgir**(09 January 2010)(Chief Organiser)**
- [30] UGC sponsored National conference on Maulana Abul Kalam Azad:Life & contribution, M U Mahavidyalaya Udgir**(10 January 2010)(Chief Organiser)**
- [31] 9th international conference on emerging issues in accounting and finance, infrastructure development, information technology, business and management, research development association, Jaipur, **(15- 16 January 2010)** **(Paper presented)**
- [32] National Conference on New Trends in Computer Science, Swami Vivekanand Mahavidyalaya, Udgir**(26-27 Feb., 2010)** **(Paper presented)**
- [33] National conference on Emerging Trends in Material Science and Communications (ETMSC-2010), Department of Physics, Mahatma Gandhi Mahavidyalaya, Ahmedpur **(13-14 March 2010)** **(Paper presented)**
- [34] National conference on emerging trends in biological and information sciences, Swami Vivekanand Mahavidylaya, Udgir, **(04-05 March 2011)** **(Paper presented)**
- [35] Twelfth national conference of Indian college principals, Shri. Jayachamarajendra college of engineering Mysore, **(22-24 April 2011)**
- [36] International conference on dielectric liquids, The Norwegian University of Science & Technology (NTNU), Trondheim, Norway, **(26-30 June 2011)** **(Paper presented)**
- [37] Workshop on New Syllabi in Physics, Mahatma Gandhi Mahavidyalaya, Ahmedpur **(10 September 2011)**
- [38] National conference on recent trends in microwave techniques and applications (Microwave-2012), S. S. Jain Subodh P.G.College & University of Rajasthan, Jaipur **(30 July 01 August 2012)** **(Paper presented)**
- [39] International conference on Broad band dielectric spectroscopy and its applications(BDS-2012), University of Leipzig, Leipzig, Germany**(03-07 September 2012) (Paper Presented)**

- [40] National conference on Microwave Techniques and Applications(NCMTA-2013), Department of Physics & Electronics, Maulana Azad College of Arts, Science & Commerce, Aurangabad **(29-30 November 2013)** **(Paper presented)**
- [41] One day workshop B.Sc. Second Year Curriculum in Physics/Electronics, Shri Sant Gadge Maharaj Mahavidyalaya, Loha**(20 August 2014)**
- [42] National conference on non conventional energy sources for rural development of India, Mahatma Gandhi Mahavidyalaya, Ahmedpur**(05-06 September 2014)** **(Paper presented)**
- [43] National conference on modern approach for green electronics & computing (MAGEC), Yeshavantrao Chavan Institute of Science, Satara **(29-30 September 2014)**
- [44] One day district level work shop on ‘New educational policy-draft & recommendations’, Rajarshi Shahu Mahavidyalaya, Latur**(29 October 2015)**
- [45] International conference on microwaves, Antenna, propagation & remote sensing(ICMARS 2015), International centre for Radio Science, Jodhpur **(15-17 December 2015)****(Paper presented)**
- [46] MSP Mandals One day orientation in the subject History, S S Mahavidyalaya, Majalgaon **(04 September 2016)** **(Organiser)**
- [47] MSP Mandals One day orientation in the subject Sociology, S S Mahavidyalaya, Majalgaon**(04 September 2016)** **(Organiser)**
- [48] MSP Mandals One day orientation in the subject Economics, S S Mahavidyalaya, Majalgaon**(04 September 2016)** **(Organiser)**
- [49] National conference on Population growth: Environmental degradation problems and prospects, S S Mahavidyalaya, Majalgaon**(27 September 2016)** **(Chief Organiser)**
- [50] National conference on Innovative trends in commerce and management, S S Mahavidyalaya, Majalgaon**(27 September 2016)** **(Chief Organiser)**
- [51] National conference on Farmers suicide: Facts, Causes and Remedies, Sunderrao Solanke Mahavidyalaya, Majalgaon **(27 September 2016)** **(Chief Organiser)**
- [52] Indian Science Congress, Sri Venkateswara University, Tirupati**(03-07 January 2017)**
- [53] Innovative trends in electronics and allied technology, Yeshavantrao Chavan Institute of Science, Satara **(23 January 2017)** **(Resource person/Chaired session)**
- [54] One day workshop on Training for environment protection, jointly organized by Dr.B.A.M.University & Sunderrao Solanke Mahavidyalaya, Majalgaon**(17 February 2017)** **(Chief Organiser)**

- [55] Two day workshop on Life long learning & extension activities, jointly organized by Dr.B.A.M.University & Sunderrao Solanke Mahavidyalaya, Majalgaon**(17-18 February 2017) (Organiser)**
- [56] International conference on mathematical analysis and its applications, Department of mathematics, Dayanand Science College Latur**(5-9 March 2017)(Invited Talk)**
- [57] Workshop on the implementation of Maharashtra Public University Act 2016, Jointly organized by Dr.B.A.M. University Aurangabad & Director of Higher Education, Pune**(05 April 2017)**
- [58] National seminar on present scenario and future challenges of autonomous college, Rajarshi Shahu Mahavidyalaya, Latur**(17-18 April 2017)**
- [59] 19th IEEE International conference on dielectric liquids(ICDL), University of Manchester, Manchester, United Kingdom**(25-29 June 2017) (Paper presented)**
- [60] UGC sponsored Principals meet on Quality Administration in Higher Education organized by UGC-Human Resource Development Centre, Dr.BAM University, Aurangabad**(02 August 2017)**
- [61] National level seminar on Revised accreditation framework, Shri Shivaji College, Parbhani**(01 September 2017)**
- [62] National conference on The problems of dowry: Challenges and remedies, Sunderrao Solanke Mahavidyalaya, Majalgaon **(11 September 2017)(Chief Organiser)**
- [63] State level workshop on, Basics of Intellectual Property and Filing Patents, Dayanand Commerce College, Latur**(2 December 2017)**
- [64] National conference on Dielectric relaxation and spectroscopic techniques, SRTM University, Nanded**(14-15 December 2017)(Paper Presented)**
- [65] One day workshop of Management and Principals, Shivchhatrapati Shikshan Sansta, Rajarshi Shahu College, Latur**(17 December 2017)**
- [66] 6<sup>th</sup> Marathwada Gramin Sahitya Sameelan, Palsap, Osmanabad(MS)**(2 February 2018)(Inaugurator of Granth Dindi)**
- [67] MSP Mandal & S. S. Mahavidyalaya Majalgaon jointly organised, One day orientation for the Administrative Staff at Swatanrya Senani Ramrao Awargaonkar Law College, Beed**(19 August 2018) (Chief Organiser)**

- [68] UGC sponsored Principals Meet on, “Creating Skills and Employability through Higher Education” Organised by UGC-Human Resource Development Centre, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad(**20 August 2018**)
- [69] One day national level seminar on ‘Quest for quality in higher education’, Shivaji College, Parbhani(**21 September 2018**)
- [70] National conference on Nanostructured Materials and nanotechnology, Shri Muktanand College, Gangapur, Dist-Aurangabad(**01 December 2018**)
- [71] Indian Science Congress, Lovely Professional University, Jalandhar(**03-07 January 2019**)(**Paper presented**)
- [72] 38<sup>th</sup> State level Principals conference, Karmavir Bhaurao Patil Mahavidyalaya, Pandharpur(**09 February 2019**)
- [73] National conference on nanomaterials and their applications critical, Arts, Commerce & Science College, Dharur(**14 February 2019**)(**Chaired Session & paper presented**)
- [74] Two day workshop on Life long learning & extension activities, jointly organized by Dr.B.A.M.University & Sunderrao Solanke Mahavidyalaya, Majalgaon(**18-19 February 2019**)(**Chief Organiser**)
- [75] International conference on Research in Science, Engineering and Technology, University of Roehampton, London, United Kingdom(**7-9 March 2019**)(**Presented Paper**)
- [76] International conference on Dielectric Materials, World Academy of Science, Engineering & Technology WASET, New York , USA(**4-5 June 2019**) (**Presented Paper, Best Presentation Award**)
- [77] Two day national conference on Revised Accreditation Framework, ICS College, Khed, Ratnagiri(**02-03 August 2019**) (**Inaugural Talk & Chaired Session**)
- [78] MSP Mandal & S. S. Mahavidyalaya Majalgaon jointly organised, One day Human Resource Enrichment programme for Material Science at Swatantrya Senani Ramrao Awargaonkar Law College, Beed(**18 August 2019**)(**Chief Organiser**)
- [79] One Day National Conference at Monthly National Journal and Indian Government Welfare Foundation and Tribal Research Kaksad, New Delhi(**29 September 2019**)
- [80] NAAC sponsored Assessors Orientation Programme, Sant Gadge Baba Amravati University, Amravati (**18 November 2019**)

- [81] One day workshop on Voters awareness Programme, Jointly organized by Department of Extra Mural, Dr.B.A.M.University &, Sunderrao Solanke Mahavidyalaya Majalgaon(10 December 2019)(Chief Organiser)
- [82] National conference on Recent Trends in Physics, Chemistry & Mathematics, Sunderrao Solanke Mahavidyalaya Majalgaon(04 February 2020)(Chief Organiser & Resource Person)
- [83] NAAC sponsored National conference on New Accreditation Process and Quality Enhancement for Rural Colleges, Sunderrao Solanke Mahavidyalaya Majalgaon(04-05 February 2020)(Chief Organiser & Resource Person)
- [84] One day webinar on, Covid-19 Pandemic: Speed and solutions, Jawaharlal Nehru University, New Delhi(03 May 2020)
- [85] International web conference on, Impact of Covid-19 on education system-2020, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad(30 May 2020)
- [86] NAAC sponsored online address of Dr. Ramesh Pokhriyal Nishank, Hon. Minister HRD on, NAAC challenges to opportunities: Covid-19 Pandemics and Combat in higher education of India(28 May 2020)
- [87] State level webinar on, Maharashtra University Act: Role of management, Principal & teachers, Dr. M. K. Umathe College, Nagpur(05 June 2020)
- [88] NAAC sponsored online address of Hon. Governor of Meghalaya Sh. Tathagata Roy on reflections of higher education scenario-Post covid-19(13 Jun 2020)
- [89] Online workshop on, Online admissions, examinations & report generating tools, Sh. Muktanand College IQAC & Digital University, MKCL(13 June 2020)
- [90] Webinar on ICT , MasterSoft ERP Solutions Pvt. Ltd. & in collaboration with joint Director higher education Aurangabad(22 June 2020)
- [91] NAAC sponsored online address of Dr. Ramesh Pokhriyal Nishank, Hon. Minister HRD on, Acharya Devobhava(05 September 2020)(Virtual mode)
- [92] Online workshop on Green Energy Audit, Shri Shivaji College, Parbhani(12 December 2020)
- [93] Workshop on National education policy-2020, Dr. B.A.M. university, Aurangabad(MS) (25 September 2020)(Online mode)
- [94] Webinar on Critical Thinking Skills: Need of the Hour, NAAC Bangalore(16 December 2020)

- [95] IEEE Mysore subsection Web seminar, Mysore **(21 December 2020)**
- [96] International(Web) conference on Recent advances in freshwater aquaculture, jointly organized by Sunderrao Solanke Mahavidyalaya, Majalgaon, Nepal Aquaculture Society, Kathmandu Nepal, Asian Biological Research Foundation, Prayagraj & Glocal Environment & Social Association, New Delhi **(21-22 January 2021)(Chief Organiser)**
- [97] One day workshop for college Principal(Online), UGC-HRDC, Dr. B.A.M. University Aurangabad **(03 February 2021)**
- [98] National E-Conference on Advanced Research in Materials Science, Kamraj College, Thoothukudi, Tamil Nadu **(22-23 February 2021)**
- [99] Web Seminar: NAAC Upanyasa Malika-Organisation Culture and Management of Higher Educational Institutions, NAAC Bangalore **(23 February 2021)**
- [100] Webinar on Promoting Research in Higher Education Institutions, NAAC Bangalore **(04 March 2021)**
- [101] Conceptual clarifications and operationalization of the criteria for NAAC assessment and accreditation, NAAC Bangalore **(12 March 2021)**
- [102] Online workshop on Intellectual Property Rights and Patents, RS College Latur **(15 March 2021)**
- [103] IQAC and its role in quality assurance, NAAC Bangalore **(18 March 2021)**
- [104] National e-conference on materials for emerging technologies(MET)-2021, Punyashlok Ahilyadevi Holkar Solapur University, Solapur **(22 March 2021)**
- [105] International web conference on New vistas in aquatic & terrestrial Biology and environment during current pandemic(ATBE-2021), jointly organized by Sunderrao Solanke Mahavidyalaya, Majalgaon, Nepal Aquaculture Society, Kathmandu Nepal, Glocal Environment & Social Association, New Delhi & Nanasahab Y. N. Chavan ASC College, Chalisgaon **(26-27 March 2021)(Chief Organiser)**
- [106] Academic and administrative(AAA) and SWOC analysis for quality check in higher education, NAAC Bangalore **(01 April 2021)**
- [107] C & EN,s webinar on Accelerating novel peptide therapies into clinical trials:A partnership approach, American Chemical Society, Washington, DC 20036 USA **(06 April 2021)**
- [108] Effective governance, leadership and management for quality enhancement in higher education, NAAC Bangalore **(08 April 2021)**

- [109] C & EN,s webinar on, A step further towards achieving confidence in spectroscopy results: A summary of ASTM D8340 standard practice for performance based qualification of spectroscopic analyzer systems, American Chemical Society, Washington, DC 20036 USA(08 April 2021)
- [110] AICP national conference, MIT-World Peace University, Pune(08-09 April 2021)(Presented Paper)
- [111] Two days international conference on, Emerging advancement & challenges in science, technology & management, ACS college Khed & University of Mumbai(23-24 April 2021)(Invited Talk)
- [112] C & en webinar, Game Changer: Automation for Large Scale Rotary Evaporation, ACS, Washington, DC 20036 USA (13 May 2021)
- [113] C & en webinar, Accurate Determination of Trace Nitrosamines in Sartan, Ranitidine and Metformin Bas, ACS, Washington, DC 20036 USA(13 May 2021)
- [114] C & en webinar, Advances and Applications of ICP-MS-Food and Environmental Analysis, ACS, Washington, DC 20036 USA(13 May 2021)
- [115] C & en webinar, Broadband benchtop NMR Spectroscopy: It's more than just protons ACS, Washington, DC 20036 USA(18 May 2021)
- [116] C & en webinar, Frontier materials for up-scaling flexible photovoltaics ACS, Washington, DC 20036 USA(25 May 2021)
- [117] Online national seminar on Cyber-bullying: Approaches, consequences and prevention, KBP Hinduja College of Commerce Western Regional Centre, ICSSR, Mumbai(27 May 2021)(Presented Paper)
- [118] Online one day state level webinar on, Mental health & well-being during COVID-19 pandemic, Dayanand College of Commerce, Latur(29 May 2021)
- [119] C & en webinar, Improving purification efficiency in the development of next-generation biologics, Washington, DC 20036 USA(9 May 2021)
- [120] IEEE PES webinar, Advanced health-conscious fast charging schemes and battery management systems for autonomous e-mobility-Sheldon Williamson(15 June 2021)
- [121] C & en webinar, Design and optimization of biologics driven by Physics-based computational modeling, Washington, DC 20036 USA(16 June 2021)
- [122] C & en webinar, Hit-finding success with DNA encoded libraries in academia, Washington, DC 20036 USA(29 June 2021)

- [123] IEEE webinar on 30 W power amplifier design flow using Wolfspeed GaN large signal models in AWR, NY(29 June 2021)
- [124] One day interdisciplinary online seminar on innovative research practices in science, humanities and social sciences, B P Sulakhe commerce college, Barshi(10 July 2021)
- [125] IEEE MTT-s webinar, Time-varying transmission line(TVTL) for broadband, low noise, nonreciprocal and cross-frequency RF applications(13 July 2021)
- [126] C & en webinar, Main aspects and applications of fast MAS Solid-State NMR, Washington, DC 20036 USA(14 July 2021)
- [127] C & en webinar, Getting the best out of solid-core technology for small and large molecule analysis, DC 20036 USA(15 July 2021)
- [128] C & en webinar, Synthetic carbon absorbents for challenging separations & purifications, DC 20036 USA(15 July 2021)
- [129] IEEE webinar, 30W power amplifier design flow using Wolfspeed GaN large signal models in AWR(15 July 2021)
- [130] IEEE PELS-IEEE TEC webinar, Adaptive EMC Design for wide bandgap power converters in aviation applications-Cong Li(21 July 2021)
- [131] C & en Webinar on Data scarcity? No problem. Combining machine learning and Physics-based simulations for smart design of materials, Washington, DC 20036 USA (22 July 2021)
- [132] IEEE webinar, Time-varying transmission line(TVTL) for broadband, low noise, nonreciprocal and cross-frequency RF applications(22 July 2021)
- [133] ACS publications symposium in measurement science virtual event, ACS Publications, Division of analytical chemistry(22-25 June 2021)
- [134] C & en Webinar on Enabling drug discovery with diverse lead generation platforms Washington, DC 20036 USA (28 July 2021)
- [135] C & en Webinar on Analytical strategies to USP residual solvents analysis using Agilent gas chromatography coupled with flame ionization and mass spectrometry detectors, Washington, DC 20036 USA (28 July 2021)
- [136] IEEE PELS-IEEE TEC webinar, Systematic relationships of power converter topologies through graph theory -Yuzhuo Li(3 August 2021)
- [137] C & en Webinar on The mundane side of environmental testing: Alkalinity and hardness titrations, sponsored by  $\Omega$ Metrohm, Washington, DC 20036 USA (11 August 2021)

- [138] on Secrets C & en Webinar to enabling the digital transformation of parts cleaning, Washington, DC 20036 USA **(19 August 2021)**
- [139] IEEE Industrial Electronics Society webinar, An integrated robust model predictive control framework for cyber-physical systems by Yang Shi**(19 August 2021)**
- [140] National webinar on responsibility of stakeholders in higher education, AICP in collaboration with Harayana Government College Principals Association and Markanda National College, Shahabad Markanda(Kurukshetra)**(23 August 2021)**
- [141] C & en Webinar on, Accelerating consumer products reformulation with machine learning, Washington, DC 20036 USA **(02 September 2021)**
- [142] C & en Webinar on, Converting validated manual titrations to automated titrations, sponsor  $\Omega$ Metrohm, Washington, DC 20036 USA **(02 September 2021)**
- [143] C & en Webinar on, Impurity testing of raw materials used in the production of lithium-ion batteries using ICP, Washington, DC 20036 USA **(14 September 2021)**
- [144] C & en Webinar on, The evolving role of mass spectrometry in drug discovery, Washington, DC 20036 USA **(17 September 2021)**
- [145] C & EN's Talented 12 Symposium-Part 1, sponsored by ThermoFisher Scientific, Washington, DC 20036 USA **(27 September 2021)**
- [146] Online International seminar on Opportunities in physical sciences, Maharashtra Udayagiri Mahavidyalaya, Udgir**(30 September 2021)(Convener)**
- [147] C & EN's webinar, The importance of timely engagement of process chemistry late discovery , sponsored by Symeres, Washington, DC 20036 USA **(13 October 2021)**
- [148] C & EN's webinar, Addressing the challenges of using biocatalysis for small molecule manufacture, sponsored by CASYMCHEMY, Washington, DC 20036 USA **(14 October 2021)**
- [149] C & EN's webinar, Trends in modern hit discovery: How your Ultra-Large screens can benefit from machine learning, Washington, DC 20036 USA**(29 October 2021)**
- [150] University distinguished lecture titled "Science, technology and innovation policy 2020: A transformative S & T agenda: delivered by Prof. Sandeep Verma, SRM University**(30 October 2021)(Online)**
- [151] C & EN's webinar, Sublime precursors: How modeling organometallics at surfaces drives innovation in materials processing, Washington, DC 20036 USA **01 November 2021)**
- [152] NAAC Webinar on NEP, NAAC Bangalore**(16 November 2021)**

- [153] National level webinar on Intellectual Property Rights(IPR), Sunderrao Solanke Mahavidyalaya, Majalgaon(**16 November 2021**)
- [154] C & EN's webinar, 10 Reasons you need a next-generation ICP-OES for multielement analyses, Washington, DC 20036 USA (**16 November 2021**)
- [155] C & EN's webinar, SARS-CoV-2 main protease inhibitors: Physics-based approaches to the discovery of COVID-19 antivirals, sponsored by Schrodinger, Washington, DC 20036 USA (**22 November 2021**)
- [156] C & EN's webinar, Density analysis of semisolids and other tough-to-measure samples, sponsored by Anton Paar, Washington, DC 20036 USA (**01 December 2021**)
- [157] C & EN's webinar, Accelerating materials discovery with atomic scale simulation and cloud computing, sponsored by Schrodinger, Washington, DC 20036 USA (**07 December 2021**)
- [158] C & EN's webinar, Rapid authentication of foods, beverages and dietary supplements by MALDI-TOF MS, sponsored by Bruker Daltonics, Washington, DC 20036 USA (**07 December 2021**)
- [159] C & EN's webinar, Computational solutions for thermodynamics & Rheological property estimation of soft materials , sponsored by SIEMENS, Washington, DC 20036 USA (**08 December 2021**)
- [160] C & EN's webinar, Fast and simple microplastics analysis: It really doesn't need to be so hard , sponsored by Agilent technologies, Washington, DC 20036 USA (**10 February 2022**)
- [161] IEEE Power Electronics Society webinar, The rise of wireless power presented by Gupta & Cesar Johnston(**24 February 2022**)
- [162] Akhil Bhartiya Marathi Sahitya Sammelan, M U Mahavidyalaya Udgir(**22-24 April 2022**)(Chairman of Khadya Sanskruti)
- [163] C & EN's webinar, Improved UV-VIS applications: From simultaneous measurements to fast thermal melts , sponsored by Agilent technologies, Washington, DC 20036 USA (**29 June 2022**)
- [164] C & EN's webinar, A paradigm change in the design and optimization of OLED materials using a digital chemistry strategy , sponsored by Schrodinger, Washington, DC 20036 USA (**29 June 2022**)

- [165] C & EN's webinar, Rapid vaccine manufacturing for clinical trials-Insights from the malaria field , sponsored by ThermoFisher Scientific, Washington, DC 20036 USA **(26 July 2022)**
- [166] C & EN's webinar, Achieving the Pesticide MRL with GC/MS/MS Using Hydrogen Carrier Gas , sponsored by Agilent, Washington, DC 20036 USA **(20 April 2023)**
- [167] IEEE-IISc VLSI webinar, Nanosystems:Lab to Fab**(22 July 2023)**
- [168] IEEE-IISc VLSI Chapters, Half-Day Seminar, Transceiver Technologies for High-Speed ICs**(16 September 2023)**
- [169] IEEE IISc MTT/AP-S Distinguished Lecture, Simulating Dielectric Variability with the Stochastic Finite Difference Time Domain Method**(21 September 2023)**
- [170] 12<sup>th</sup> Conference on Broadband Dielectric Spectroscopy and its Applications (BDS-2024), NOVA University, Lisbon, **Portugal(01-06 September 2024) (Paper Presented)**

### **Orientation programs/Refresher courses/ attended**

- [1] Orientation Course, organised by Academic Staff College, Marathwada University, Aurangabad from 20/03/1989 to 15/04/1989.
- [2] Refresher Course, organised by Academic Staff College, Goa University, Goa from 31/01/1996 to 20/02/1996.
- [3] Refresher Course, organised by Academic Staff College, Osmania University, Hyderabad from 08/05/1996 to 01/06/1996.
- [4] Refresher Course, organised by Academic Staff College, Dr.B.A.M. University, Aurangabad from 05/09/2002 to 27/09/2002.

### **• Research paper Reviewed**

- (i) Dielectric relaxation of Polyethylene glycol-water mixtures using TDR, Indian Journal of Pure and Applied Physics, National Institute of Science Communication & Information Resources NISCOM, New-Delhi **(December 2004)(India)**
- (ii) Low frequency and microwave dielectric study of marbles in support of radar investigations, Indian Journal of Pure and Applied Physics, National Institute of Science Communication & Information Resources NISCOM, New-Delhi **(January 2005)(India)**
- (iii) Thermodynamic and acoustical parameters of some liquid crystals, Journal of Molecular Liquids **(January 2006) (Germany)**
- (iv) Dipole moment and self association of cyclohexylsulfamic acid in 1,4 dioxane solution at 298.15 K, Journal of Chemical and Engineering data **(March 2009) (USA)**
- (v) Dielectric, FT-IR and UV-vis spectroscopic studies on the fluid structure of diisopropyl ethercaprylic acid mixture, *J. Mol. Stru.*, **(07 January 2011) (Germany)**
- (vi) A Probe on the Intermolecular forces in diisopropyl ether-n-butyric acid mixture by Dielectric, FTIR studies and quantum chemical calculations Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**(2012)(USA)**
- (vii) Dielectric & excess dielectric constants in non polar+polar binary mixtures of toluene with alcohols at 303, 313 & 323 K, Thermochemica Acta**(2013)(USA)**
- (viii) Dielectric relaxation study of some aniline with 2-alkoxyethanols using Time Domain Technique, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy **(2013)(USA)**

- (ix) Spectroscopic studies, NBO analysis and dielectric studies on the behavior of acetone molecules in non-polar solvent environment, Chemical physics letter, Elsevier USA(**March 2015**)
- (x) Dielectric spectroscopic studies on the water hyacinth plant collected from agriculture drainage, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy USA(**December 2015**)
- (xi) Spectroscopic and Time Domain Reflectometry studies on acetonitrile - ethylene glycol binary solutions, Journal of Molecular Structure USA (**December 2016**)
- (xii) Spectroscopic and time domain reflectometry studies on acetonitrile ethylene glycol binary solutions, Journal of Molecular Structure USA(**January 2017**)
- (xiii) Dielectric properties of PMMA/PVAc/C60 Down-Shifting Nanocomposite Films, Journal of Molecular Structure USA(**July 2017**)
- (xiv) Molecular dynamics and dielectric relaxation by DRS, calorimetric analysis and spectral inferences of amino acid complexes, Chemical Physics Letters USA(**May 2019**)
- (xv) Relaxation by DRS, Calorimetric analysis and spectral inferences of amino acid complexes, Chemical Physics Letters USA(**June 2019**)