



Name : Dr. Achole Balaji Devidasrao
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Professional Details :

- i. Educational Qualification : M. Sc. Ph. D.
- ii. Academic Achievements : MRP [UGC Sanctioned File No: **47-687/08 (WRO)**, March 06, 2009 Rs: 1,12,927/ and Travel Grant UGC Sanctioned File No:**6-300/2013(TG) for ICMSQUARE-2013**), Prague, Czech Republic . Sept. 10, 2013
- iii. Teaching Experience : 26 Years
- iv. Research Guidance : ---
- v. Visiting Faculty : ---
- vi. Chaired Sessions : ---
- vii. Administration : ---
- viii. Academic Event Organized : ---
- ix. Book Publication : ---
- x. Chapter in Edited Book : Emerging Trends in Science and Technology (ISBN :978-81-951982-2-2)
- xi. Paper Publications :

Sr. No.	Title of paper	Publication with Year	Volume, Issue & page No.	ISSN number	Peer reviewed / UGC Care listed with Impact Factor
01.	Dielectric relaxation study of dimethylene chloride with dimethylformamide using time domain reflectometry	2007	<i>Proc. Frontiers of Microwaves & Optoelectronics of International conference on Microwave and Optoelectronics ICMO-07, Aurangabad, Anamaya Pub., New Delhi, 635-639 (2007)</i>	(ISBN : 978-81-89927-19-6)	

02.	Molecular behavior of tert-butyl alcohol with ethylene glycol at 450C in Microwave frequency region	2010	International J. of Interlink Research Analysis, 2(2): 70-79 (2010).	(ISSN : 0976-0377)	
03.	Dielectric study of TB + EG at Microwave frequency using time domain reflectometry technique.	2010	Scholars Research Library's, J. of Archives of Physics Research,1(2): 76-83(2010).	(ISSN : 0976-0970)	
04.	Study of interaction through dielectrics: Behavior of –OH group molecules from 10 MHz to 20 GHz.	2011	<i>J. Mol. Liq.</i> 159 (2011) 152-156.	(ISSN: 0167-7322)	1.7
05.	Study of molecular interaction in binary mixture of dimethylene chloride with imethylformamide using Bruggeman model.	2012	<i>Scholars Research Library , Archives of Applied Science Research ,(2012), 4 (4):1665-1669.</i>	(ISSN : 0975-508X)	
06.	Molecular Interaction study of Multi-Functional Group of Alcohols through Dielectrics Using TDR.	2014	Journal of Physics: Conference Series 490 (2014), doi:10.1088//1/012036	(ISSN: 1742-6596/490)	
07.	Molecular Interaction Study Between Some Multi-Functional Groups [–OH and –CH ₃] of Alcohols through Dielectrics using TDR .	March 2016	<i>International Journal of Engineering Technology, Management and Applied Sciences www.ijetmas.com on March 2016, Volume 4, Issue 3</i>	(ISSN : 2349-4476)	2.24
08.	Study of Dielectrics Properties of Mixture of Hydroxyl [-OH] Group Molecules Using TDR Technique at Microwave Frequency .	May 2017	International Journal of Current Global Reviewer, Issue IX, Vol II ,15-21, [May 2017]	(ISSN : 2319 – 8648)	7.139
09.	Molecular Interaction study of Binary Polar Liquids at Microwave Frequency Using Time Domain Technique.	Jan.-Dec.-2020	Ecu care : A Multidisciplinary International Peer Reviewed / Referred Journal, Volume-IX, Number-1, 94-105 [Jan.-Dec.- 2020]	(ISSN : 2319-5282)	

10.	Research Paper entitled “Serve Acute Respiratory Syndrome Corona virus [SARS-CoV] pandemic and Physics”.	February-2021	Excel’s International journal of Social Sciences & Humainties, An International Peer Reviewed Journal, , Volume-I, Number-15, Part-1, February-2021	(ISSN : 2277-7539 (Print)	5.631
11.	Research Paper entitled “ Environmental effects of COVID-19 Pandemic Strategies of Sustainability ” .	March - April-2022	Excel’s International journal of Social Sciences & Humainties, An International Peer Reviewed Journal (SJIF), Special Issue, Page-26-32, March-April-2022.	ISSN: 2277-7539 (Print)	5.631
12.	Published a research paper entitled “Molecular Interaction Study of tert-butyl Alcohol with 2-Propanol using TDR Techniques at Microwave”.	September-2023 (Online Version)	International Journal of Science and Social Science Research [IJSSSR], Online Version ISSN : 2583-7877 , Volume-1 , Issue-2, 2023 (Impact factor-3.46), Pages: 31-40	ISSN : 2583-7877	3.46
13.	Research Paper , “ Dielectric Study of Hydroxyl Group Molecules at Microwave Using Time Domain Reflectometry Techniques” .	Jan.-Feb. 2024	International e-Conference on Recent Trends in Material Science In Association with International Journal of Scientific Research in Science and Technology Volume 11 Issue 9 Print (www.ijrst.com),	Print ISSN: 2395-6011 Online ISSN: 2395-602X	8.014
14.					

xi. Paper Presentations :

Sr. No	Name of the Author/s	Year	Title of paper	Name of symposia/ conference	Sponsoring Agency
01.	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

02.	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 Time Domain Reflectometry Technique	National conference on recent trends in physics and laser technology	UGC, S.R.T.M.U. Nanded and Dept. of Physics, Gramin Mahavidyalaya, Vasantnagar
03.	B. D. Achole, A. V. Patil, V. P. Pawar and S. C. Mehrotra	2012	Dielectric Relaxation Study of Hydroxyl Group Molecules Using TDR Technique	National Conference On Recent Trends In Microwave Techniques And Applications (Microwave - 2012).	IEEE, MTTs , IETE , UGC, ISRO, DRDO, DST, CSIR, INSA and University of Rajasthan, Jaipur.
04.	V.P. Pawar , A.V. Patil, B.D. Achole and S.C. Mehrotra	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).	IEEE, MTTs , IETE , UGC, ISRO, DRDO, DST, CSIR, INSA and University of Rajasthan, Jaipur.
05.	B. D. Achole and V. P. Pawar	2012 (11 th - 15 th Dec.)	Study of Physical Parameters of Polar Molecules through Dielectrics at Microwave Frequency	8 th International Conference on Microwaves, Antenna , Propagation & Remote Sensing (ICMARS-2012)	IEEE-GRS (USA),URSI, IEEE- MTTs (India) , ATMS (India), IEEE- EDS(India) , AMTS (USA), DRDO, CEERI (Pilani), CSIR (India), DST, Govt of India. At Jodhpur
06.	B. D. Achole and V. P. Pawar [Under UGC travel grant scheme letter no. F. No:-6- 300/2013(TG) dated: September 10, 2013]	2013 (1 st -5 th Sept. 2013)	Molecular Interaction study of Multi- Functional Group of Alcohols Through Dielectrics Using TDR.	International Conference on Mathematical Modeling in Physical Sciences, September 1-5, (2013), Prague, Czech Republic. (ICMSQUARE- 2013)	Institute for the Dissemination of Arts and Science, Pireas , Greece, Univrsiy, University of Peloponnese, S N Bose National Centre for Basic Science, Salt Lake, Kolkatta, and Others.

07.	B. D. Achole and V. P. Pawar	March 13, 2016	Molecular Interaction Study Between Some Multi-Functional Groups [-OH and -CH ₃] of Alcohols through Dielectrics using TDR	International Conference on Recent Development in Engineering, Science, Management and Humanities (ESHM-16), MB college, latur,	MB college, Latur, India.
08.	Balaji D. Achole	Dec. 17 th – 19 th , 2020	CT-46: Temperature Dependent Dielectric Relaxation Study of 2-Propanol with n-Propanol using Time Domain Reflectometry Technique.	e-ICMSN, International Conference on “Material Science and Nanotechnology 2020” at Dayanand Science College, Latur	UGC- CPE, Department of Physics, Dayanand Science College, Latur
09.	Balaji D. Achole	January 25, 2024	[IC-OP-31]: Oral Presentation on research paper entitled, “Temperature Dependent Molecular Dynamic Study Through Dielectric Of 2-Propanol With N-Propanol Using TDR Techniques”.	An International e-Conference on “Advancements in Material Science: Trends and Applications (ICAMSTA- 2024)	Organized by Department Of Physics , Rayat Shikshan Sanstha’s Mahatma Phule Arts, Science and Commerce College, Panvel, District-Raigad, (MS) India, 410 206.

xii. E-content Development : ---

xiii. Co-curricular Activity : ---

xiv. Extra Curricular Activity :

[1] **Organized Free Eye & Cataract Operation** camp [Sponsored in collaboration with **Udayagiri Lions Eye Hospital, Udgir**]

[2] Organized & Blood Donated in **“Blood Donation Camps”**