

Bio-data

1. Name	Prof. VIVEK KUMAR PANDEY
2. Qualifications	M.Sc., Ph.D.
3. Department/Subject	Chemistry
4. Designation	Professor
5. Experience	32 years
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9. No. of research paper published in National and International Journals	18
10. No of seminars attended	13

I: Research papers (Journals, etc.)

S.no.	Title with page no.	Journal Name	Year	ISSN No.
1.	Sound velocity, effective Debye temperature and pseudo-Gruneisen parameters of Pb-Sn mixtures at elevated temperatures, pp. 169-180	Physics and Chemistry of Liquids	2007	0031-9104
2.	Excess Internal Pressure, Excess Energy of Vaporization and Excess Pseudo-gruneisen parameters of Binary, Ternary and Quaternary Liquid Mixtures, pp. 104-109	Journal of Molecular Liquids	2008	0167-7322
3.	Equilibrium Physical Properties of Binary Liquid Mixtures from Associated and Non-associated Processes at Various Temperatures, pp. 1331-1335	International Journal of Research in Advent Technology	2008	2321-9637

4.	Prediction of Associational Behaviour of Binary Liquid Mixtures from Viscosity Data at 298.15, 303.15, 308.15 and 313.15K, pp. 131-138	Journal of Molecular Liquids	2011	0167-7322
5.	Refractive Properties of Some Flavored Binary Alcohol Mixtures at 298.15, 308.15 and 318.15K, pp. -10	International Journal of Research in Advent Technology	2013	2321-9637
6.	Interpretation of Association Behaviour and Molecular Interactions in Binary Mixtures from Thermoacoustics and Molecular Compression Data, pp. 1-18	International J. of Thermophys.	2016	0195-928X
7.	Viscosity and Excess Viscosity for Associated Binary Mixtures at T = (298.15, 308.15 and 318.15), pp. 26-39	International Journal of Materials Science	2017	0973-4589
8.	Prediction of Surface Tension for Binary Liquid Mixtures from Associated and Non-Associated Processes at Various Temperatures, pp. 9415-9418	Scholarly Research Journal for Inter disciplinary Studies	2018	2278-8808
9.	Transport Properties of Oxygenated Ternary Liquid Mixture at Temperature 298.15K, pp. 01-07	International Journal of Latest Engineering Research and Application	2018	2455-7137
10.	Excess Molar Volume of Ternary Liquid Mixture at Temperature 298.15K, pp. 1219-1226	International Journal of Research in Advent Technology	2018	2321-9637
11.	Viscosity and Excess Molar Volume of Binary Ionic Liquid Mixture at Temperature 298.15K, pp. 1-9	International Journal of Research in Advent Technology	2018	2321-9637
12.	Synthesis, Characterization and Biological Studies of Some Metal Complexes of N, O/S Containing Compounds, pp. 1-10	Journal of Institution of Chemists (India)	2019	0020-3254
13.	Molecular interaction in ternary liquid mixtures at different frequencies Page 236 -240	International Journal of Advanced Research in Multidisciplinary Sciences	2019	2581-8996
14	Co-Polymerization of Carbon-Dioxide and Epoxides to create Plastics from Carbon-Dioxide Page 12750 - 12759	Scholarly Research Journal for Inter disciplinary Studies	2019	2778-8808
15	Calculating the thermoacoustical characteristics of molten salts and their mixes using generalized whole theory Page No. 199 - 205	International Journal of Advanced Research in	2020	2581-8996

		Multidisciplinary Sciences		
16	Calculation of the Acoustic Impedance of I-Butanol+Dodecane and 2-Butanol +Dodecane Binary Mixtures using A Variety of Models at Temperatures between 288.15 and 313.15 ⁰ K Page No. 14081-14087	Scholarly Research Journal for Inter disciplinary Studies	2020	2278-8808
17	An overview to herbal medicine with introduction of some important medicinal plants	Journal of information and computational science	2022	1548-7741
18	Theoretical estimation of heat capacity of binary liquid mixtures at different temperatures by associated and non associated processes	Res. J. Chem. Scie.	2024	2231-606X

SEMINARS:

<u>S. N.</u>	<u>Title of the Invited lectures / papers</u>	<u>Title of Conference / Seminar /workshop etc</u>	<u>Organized by</u>	<u>Sponsored by</u>	<u>Whether International (abroad)/ International (within country) / National/ State or University level</u>
1.	Climatic Change and Sustainable Management	Green Technology : A Roadmap for Sustainable Development	Department of Chemistry, Hemwati Nandan Bahuguna Government P.G. College, Naini, Prayagraj on 23 rd & 24 th February, 2020		National
2.	Making Plastics from Carbon-di-oxide	Ubiquitous effect of Polymers	Department of Chemistry, D.G. College, Kanpur on 9 th Jan., 2009		National
3.	Nano Science : New Approach Towards Environment Safety	Recent Advances and Innovations in Chemical and Materials Science- RAICMS-2017	Department of Chemistry, Shri Jai Narain P.G. College, Lucknow & Dr. Shakuntala Misra National Rehabilitation University, Lucknow on 23 rd & 24 th Feb., 2017		National

4.	Surface Tension and Speed of Sound and Isentropic Compressibility fo Binary Organic Liquid Mixtures	Contribution of Chemistry to the Society	Department of Chemistry, D.B.S. P.G. College, Kanpur on 4 th December, 2009		National
5.	Advances in Bioplastic Materials	Recent Trends in Chemical Synthesis And Its Application to Research and Industry	Department of Chemistry, D.B.S. College, Kanpur on 20 th Oct., 2020		National
6.	Advances in Materials	New Horizons in Biosciences	Department of Botany, D.G. P.G. College, Kanpur on 29 th –30 th Nov., 2005		National
7.	Toxological Analysis in Food Products	Food Chemistry, Processed Food & Toxicology	D.A.V. (P.G.) College, Kanpur on 25 th –26 th September, 2019		National
8.	Role of Waste Management in Chemical Laboratory	Recent Advanced Techniques in Analytical Chemistry	Department of Chemistry, D.G. P.G. College, Kanpur on 16 th & 17 th January, 2020		National
9.	Role of Microbes in Water Pollution	Science & Technology for National Development	Indian Science Congress Association, Kanpur Chapter and Department of Zoology, D.B.S. (P.G.) College, Kanpur on 29 th & 30 th September, 2016		National
10	Spectroscopy : Boon to the Elucidation of Molecular Structure	Spectroscopy : its relevance to various fields of science	Department of Chemistry, D.G. P.G. College, Kanpur on 19 th & 20 th Nov., 2009		National
11	Determination of the Conditional Association Constants from the Viscosity Data in Binary Liquid Mixtures	Emerging Trends in Chemical Sciences	Department of Chemistry, D.G. P.G. College, Kanpur on 5 th & 6 th December, 2007		National
12.	Hyrdogen : Fule for the Future	Recent Advances in Chemical Sciences with Reference to Energy Security And	Janta Mahavidyalaya, Ajitmal, Auraiya on 15 th December, 2019	Directorate of U.P. Higher Education	National

		Environmental Safety			
13	Viscous Behaviour of Quaternary Fluid Solutions at 298.15 K	3 rd National Conference on Thermodynamics of Chemical and Biological Systems	Department of Chemistry, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, 16-17 Oct., 2008	The Indian Thermodynamics Society	National

Declaration: I hereby declare that all the above information is true to the best of my knowledge and believe.

Place: Kanpur

Date: 20 June 2024

Signature