

- ❖ NAME – **Dr. SHAUKAT AJIM SHAH.**
- ❖ DATE OF BIRTH – **09 Nov. 1978**
- ❖ UNIQUE ID – **6548 4761 3578**
- ❖ EDUCATION QUALIFICATION - **M.Sc.(Chemistry), Ph.D. UGC-CSIR NET, SET & GATE**
- ❖ WORK EXPERIENCE –
- ❖ TEACHING – **21 Years**
- ❖ RESEARCH – **05 Years**
- ❖ INDUSTRY – **02 Years**
- ❖ AREA OF SPECIALIZATION – **Organic Chemistry, Ultrasonic and Luminescence**
- ❖ COURSES TAUGHT – **B.Sc and M.Sc**
- ❖ RESEARCH GUIDANCE [NUMBER OF STUDENTS] – **Seven Students perusing Ph.D.**
- ❖ NO. OF PAPER PUBLISHED – **23**

Sr.No.	Title of Research Paper	<i>Journal and its Issues in which Published</i>	Year
01	Effect of molar mass on the physical properties and Invalidation of the Lorentz-Mossoti Formula of alcoholic homologous Series	Journal of Science Information (JSI Vol.2(1) pp. 86-87, ISSN : 2229-5836	2011
02	Determination of Intermolecular Interactions in Polar and Non-polar Organic Molecules by Optical (Refractive Index) Method	J.Chem. & Cheml. Sci. Vol. 3(2), pp. 80-84	2013
03	Acoustical & thermo dynamical study of Toluene in Cyclohexane & nitrobenzene at 293K, 298K and 303K” using Ultrasonic Technique transparent tin oxide thin film	Journal of pure applied & industrial physics, 4(1), 21-28. ISSN: 2229-7596	2014

04	Thermodynamic Parameters and Ultrasonic Studies of Intermolecular Interactions in Some Carbohydrates (Dextrose, Fructose and Inositol) at 298.15K	Der Pharmacia Letter 6(3): 236-241, ISSN-0975-5071	2014
05	Ultrasonic Studies of Intermolecular Interactions of Dextrose and Fructose in Alcoholic Medium at Three Different Temperatures	International Journal of Science and Research (IJSR), ISSN (online): 2319-7064.	2015
06	Understanding Anomalous Behaviour of Water by Ultrasonic Measurements in Aqueous and 10% Ethanol-Water Solutions of Dextrose at Different Temperatures	BIONANO FRONTIER, 248-250. ISSN: 2320-9593	2017
07	Solution Behavior of Sugars and Pseudo-Sugar in Water at 298K	Der Pharmacia Sinica, 8(2): 28-32, ISSN : 0976-8688	2017
08	Comparative Studies of Jones-Dole and Stauarding Equation of Aqueous Solution of Some Carbohydrates at 298K	Aayushi International Interdisciplinary Research Journal (AIIRJ). ISSN-2349-638x, Impact Factor 4.574 UGC Approved Journal	2018
09	The Study of Non-Covalent Interactions of Myoinositol with Water at Different Temperatures	AJANTA, ISSN-2277-5730, Volume-VIII (1),96-102, Impact Factor 5.5. UGC Listed Journal	2019
10	Understanding Structure of Water by Ultrasonic Measurements in Aqueous Solutions of Fructose at Different Temperatures	TROI, 2393-8374, Vol.6 (1), 843-846. ISSN-2393-8374(Print), ISSN-2394-0697(Online). UGC Approved Journal (Thomson Reuters)	2019
11	To determine physical parameters of different edible oils	Int. Res. J. of Science & Engineering, 2020; Special Issue A7: 201-205 SJIF Impact Factor 6.68 ISSN:2322-0015	Feb/2020

12	Significance of Hydration Process of Sugars and Pseudo-sugars in Sweet Taste Chemoreception at 298K	Int. Res. J. of Science & Engineering, 2020; Special Issue A7: 16-20 SJIF Impact Factor 6.68 ISSN:2322-0015	Feb/2020
13	A Novel Bis-Pyrimidines-1,3-Diols: Synthesis and Characterization	IJSRST, Vol. 9/Issue 5/ ISSN: 2395-6011 pp.727-732	2021
14	Determination of Secondary Forces in Polar Organic Binary Mixture by Refractivity Method	IJSRST, Vol. 8/Issue 1/ ISSN: 2395-6011 pp.81-83	Feb/2021
15	Investigation of Thermo-Acoustic Properties of Water-1-propanol Binary Mixture at Different Temperatures	IJSRST, Vol. 8/Issue 1/ ISSN: 2395-6011 pp.75-80	Feb/2021
16	Molecular Interactions by Ultrasonic Measurements in Aqueous and 10% Ethanol Water Solutions of Myo-inositol at 298.15K	IJSRST, Vol. 8/Issue 1/ ISSN: 2395-6011 pp.75-80	Feb/2021
17	Investigation of Thermo-Acoustic Properties of 1-Propanol and N-Hexane Binary Mixture at Different Temperatures	IJSRST, Vol. 9/Issue 5/ ISSN: 2395-6011 pp.01-08	September /2021
18	Investigation of Thermo-Acoustic Properties of Ethanol-n-Hexane Binary at Different Temperatures	Journal of Advanced Scientific Resaerch, ISSN:0976-9595 ICITNAS: 189-196	2021
19	Investigation of Thermo-Acoustic Properties of 1-Propanol-Cyclohexane Binary Mixture at Different Temperatures	ANVESAK ISSN:0378-4568, Vol. 52,70(IV), pp- 75-86 UGC Care	July-December/2022
20	The Study of Secondary Forces of Myo-Inositol In 10% Ethanol-Water by Volumetric and Viscometric Methods at Different Temperatures	IJARST Vol. 3 Issue-2, pp-377-380 ISSN-22581-9429 Impact Factor: 7.301	February/2023
21	Thermo-Acoustic Investigation of Molecular Interactions in Aqueous	IJAAR Vol.4 No. 44 , pp-135-141	Bi-Monthly

	Solutions of Arginine at Different Temperatures	ISSN – 2347-7075 Impact Factor – 7.328 Peer Reviewed ISSN – 2347-7075	Nov-Dec 2023
22	Comparative Study of Thermo-Acoustic Properties of Ethanol-Cyclohexane and 1-Propanol Cyclohexane mixtures at 298.15K	IJAAR Vol.4 No. 44 , pp-102-106 ISSN – 2347-7075 Impact Factor – 7.328 Peer Reviewed ISSN – 2347-7075	Bi-Monthly Nov-Dec 2023
23	Near infrared emission in Nd ³⁺ and Nd ³⁺ /Yb ³⁺ -co-doped LiY(WO ₄) ₂ phosphor	J Mater Sci: Mater Electron Springer (2024) 35:1391 Impact Factor:2.8, pp-1391-1402	13 July 2024

❖ BOOK PUBLISHED –

Sr.No.	TITLE OF BOOKS	PUBLICATION	YEAR
1	Investigation of Non-Covalent Interactions: Guide for Researcher [ISBN: 978-620-4-73916-8]	LAP LAMBERT Academic Publishing [International]	2022
2	How to Prepare Solutions [ISBN: 978-620-4-74020-1]	LAP LAMBERT Academic Publishing [International]	2022
3	Green Chemistry and Nanochemistry [ISBN - 978-620-6-78604-7]	LAP LAMBERT Academic Publishing [International]	Sept- 2023

❖ DATE OF JOINING – **11 July 2005**

❖ DATE OF RETIREMENT – **31 July 2038**

❖ Life Members – **Life membership of Indian Science Congress**

Dr. Babasaheb Ambedkar Teacher Association GUG

Life member of Young Teacher Association GUG

Member BOS Chemistry Gondwana University 2022-2027