

CURRICULUM VITAE

DR. KUNDAN SHARMA

PERSONAL PROFILE:

FATHER'S NAME: SH. BISHAN DASS
DATE OF BIRTH: FEB. 09, 1987
NATIONALITY: INDIAN
GENDER: MALE
MARITAL STATUS: MARRIED
PASSPORT NUMBER: J7233467

PERMANENT ADDRESS:

VILL: HATLI PATYALAN
POST OFFICE: HATLI
TEHSIL: BANGANA
DISTT: UNA (H.P.)
PIN: 174 307, INDIA



PRESENT ADDRESS:

DEPT. OF CHEMISTRY
GOVT. DEGREE COLLEGE
PAONTA SAHIB (AFFILIATED TO
H.P. UNIVERSITY SHIMLA),
173 025 SIRMOUR (H.P.) INDIA

E-MAIL: kundanvashisht@gmail.com

Mobile No.: (+91) 94182-11568

(+91) 70185-56537

ACADEMIC QUALIFICATION:

DEGREE	YEAR OF PASSING	UNIVERSITY/INSTITUTE	PERCENTAGE /DIVISION
Ph.D. (Physical Chemistry)	2014	Himachal Pradesh University (HPU) Shimla (India)	Awarded
M.Phil. (Physical Chemistry)	2011	Himachal Pradesh University (HPU) Shimla (India)	76.00/1 st
M.Sc. (Physical Chemistry)	2010	Himachal Pradesh University (HPU) Shimla (India)	74.67/1 st
B.Sc. (Non-Medical)	2008	Govt. Post Graduate College Una (H.P.) affiliated to HPU Shimla (India)	73.85/1 st
10+2 (Non-Medical)	2004	DAVSSS Una (H.P.) affiliated to HPBOSE Dharamshala (India)	73.80/1 st
10th	2002	DAVSSS Una (H.P.) affiliated to HPBOSE Dharamshala (India)	75.71/1 st

ACHIEVEMENTS AND COMPETENCES:

- ❖ DST **Young Scientist** award to attend conference at Universitat Regensburg, **Germany** in **2016**.
- ❖ **Recognized reviewer** status by The Journal of Chemical Thermodynamics (**Elsevier**) in **2016**.
- ❖ **Reviewer** in Dept. of Science & Technology, Govt. of India since **2015**.
- ❖ **Meritorious fellowship** for Doctoral study in Basic Scientific Research by UGC in **2012**.
- ❖ **Gold Medalist** for M. Phil. Examination in **2011**.
- ❖ **CSIR-NET** in Chemical Science in Dec. **2010**.
- ❖ **3rd** rank in “M.Sc. Examination” in **2010**.
- ❖ **1st** rank in B.Sc. Examination at College Level in **2008**.

INTERNATIONAL JOURNAL PUBLICATIONS (21):

- [1] Ram Singh, S. Chauhan, **Kundan Sharma***. (2017) Surface Tension, Viscosity, and Refractive Index of Sodium Dodecyl Sulfate (SDS) in Aqueous Solution Containing Poly(ethylene glycol) (PEG), Poly(vinyl pyrrolidone) (PVP), and Their Blends. *J. Chem. & Eng. Data* (ASC/Impact Factor: 2.323) 10.1021/acs.jced.6b00978. [*corresponding author]
- [2] S. Chauhan, Ram Singh, **Kundan Sharma***. (2016) Volumetric, compressibility, surface tension and viscometric studies of CTAB in aqueous solutions of polymers (PEG and PVP) at different temperatures. *J. Chem. Thermodyn.* 103, 381-394. (Elsevier/Impact Factor: 2.196). 10.1016/j.jct.2016.08.032. [*corresponding author]
- [3] **Kundan Sharma***, S. Chauhan, Bhanu Priya. (2016) Surface, compressibility and viscometric measurements of binary system containing cationic surfactant with achiral amino acid at different temperatures. *J. Mol. Liq.* 222, 407-414 (Elsevier/Impact Factor: 2.740). 10.1016/j.molliq.2016.07.057. [*corresponding author]
- [4] S. Chauhan, L. Pathania, **Kundan Sharma**, G. Kumar. (2015) Volumetric, Acoustical and Viscometric behavior of Glycine and DL-Alanine in aqueous Furosemide solutions at Different Temperatures. *J. Mol. Liq.* 212, 656-664 (Elsevier/Impact Factor: 2.740). 10.1016/j.molliq.2015.09.04

- [5] S. Chauhan, **Kundan Sharma***. (2015) Extended studies on molecular interactions of SDBS and DTAB in aqueous solutions of amino acids at T=293.15-313.15 K. *J. Mol. Liq.* 211, 675-685. (Elsevier/Impact Factor: 2.740). 10.1016/j.molliq.2015.08.003. [*corresponding author]
- [6] S. Chauhan, R. Singh, **Kundan Sharma**, K. Kumar. (2015) Interaction study of anionic surfactant with aqueous non-ionic polymers from conductivity, density and speed of sound measurements. *J. Surf. Deterg.* 18 (2), 225-232 (Springer/Impact Factor: 1.853). 10.1007/s11743-014-1613-2.
- [7] S. Chauhan, J. Jyoti, **Kundan Sharma**, K. Kumar, (2014) A conductance study to analyze the effect of non-aqueous solvent on the micellization behavior of carbohydrate-surfactant system at variable temperatures. *Fluid Phase Equilb.* 375, 286-292. (Elsevier/Impact Factor: 1.846) 10.1016/j.fluid.2014.05.020.
- [8] **Kundan Sharma**, S. Chauhan. (2014) Effect of biologically active amino acids on the surface activity and micellar properties of industrially important ionic surfactants. *Colloid Surf. A* 453, 78-85. (Elsevier/Impact Factor: 2.760) 10.1016/j.colsurfa.2014.04.003.
- [9] S. Chauhan, **Kundan Sharma***. (2014) Effect of temperature and additives on the critical micelle concentration and thermodynamics of micelle formation of sodium dodecyl benzene sulfonate and dodecyltrimethylammonium bromide in aqueous solution: A conductometric study. *J. Chem. Thermodyn.* 71, 205-211. (Elsevier/Impact Factor: 2.196). DOI: 10.1016/j.jct.2013.12.019. [*corresponding author]
- [10] **Kundan Sharma**, S. Chauhan. (2014) Apparent molar volume, compressibility and viscometric studies of sodium dodecyl benzene sulfonate (SDBS) and dodecyltrimethylammonium bromide (DTAB) in aqueous amino acid solutions: a thermo-acoustic approach. *Thermochim. Acta* 578, 15-27. (Elsevier/Impact Factor: 1.938). 10.1016/j.tca.2013.12.021.
- [11] V. Bhardwaj, S. Chauhan, **Kundan Sharma**, P. Sharma. (2014) Cosmeceutical active molecules and ethoxylated alkylphenol (Triton X-100) in hydroalcoholic solutions: Transport properties examination. *Thermochim. Acta* 577, 66-78. (Elsevier/Impact Factor: 1.938). 10.1016/j.tca.2013.12.014.
- [12] V. Bhardwaj, **Kundan Sharma**, S. Chauhan, P. Sharma. (2014) Intermolecular Interactions of CTAB and potential oxidation inhibitors: Physico-chemical controlled approach for food/pharmaceutical functions. *RSC Advances*. 4, 49400-49414. (RSC/ Impact Factor: 3.289). 10.1039/C4RA04386C.

- [13] S. Chauhan, **Kundan Sharma**, K. Kumar, G. Kumar. (2014) A comparative study of micellization behavior of an ethoxylated alkylphenol in aqueous solutions of glycine and leucine. *J. Surfact. Deterg.* 17, 161–168. (Springer/Impact Factor: 1.853). 10.1007/s11743-013-1456-2.
- [14] T. Bhardwaj, V. Bhardwaj, **Kundan Sharma**, A. Gupta, S. S. Cameotra, P. Sharma. (2014) Thermo-acoustical analysis of sodium dodecyl sulfate–Fluconazole (antifungal drug) based micellar system in hydro-ethanol solutions for potential drug’s topical application. *J. Chem. Thermodyn.* 78, 1–6. (Elsevier/Impact Factor: 2.196) 10.1016/j.jct.2014.06.003.
- [15] V. Bhardwaj, T. Bhardwaj, **Kundan Sharma**, A. Gupta, S. Chauhan, S.S. Cameotra, S. Sharma, R. Gupta, P. Sharma. (2014) Drug surfactant interaction: Thermo-acoustic investigation of sodium dodecyl sulfate and antimicrobial drug (Levofloxacin) for potential pharmaceutical application. *RSC Advances* 4, 24935–24943. (RSC/Impact Factor: 3.289) 10.1039/C4RA02177K.
- [16] S. Chauhan, P. Chaudhary, **Kundan Sharma**, K. Kumar, Kiran. (2013) Temperature dependent physico–chemical studies of amino acids in aqueous solution of antibiotic drug. *Chemical Papers* 67, 1442–1452. (Springer/Impact Factor: 1.326). 10.2478/s11696-013-0404-y.
- [17] V. Bhardwaj, P. Sharma, M. N. Noolvi, H. M. Patel, S. Chauhan, M. S. Chauhan, **Kundan Sharma**. (2013) Thermo–physical examination: Synthesized 2–furano–4(3H)–quinazolinone and open quinazolinone (diamide) anticancer analogs with sodium dodecyl sulfate. *Thermochim. Acta* 573, 65–72. (Elsevier/Impact Factor: 1.938) 10.1016/j.tca.2013.09.013.
- [18] S. Chauhan, V. Sharma, **Kundan Sharma***. (2013) Maltodextrin – SDS Interactions: Volumetric, viscometric and surface tension Study. *Fluid Phase Equilib.* 354, 236–244. (Elsevier/Impact Factor: 1.846) 10.1016/j.fluid.2013.06.051. [*corresponding author]
- [19] S. Chauhan, **Kundan Sharma**, M. S. Chauhan, A. Umar. (2013) Density, sound velocity, viscosity, surface tension and spectroscopic studies of sodiumdodecyl benzene sulfonate (SDBS) in aqueous solution of histidine. *Adv. Sci. Eng. Med.* 5, 720–725. (ASP/Impact Factor: NA) 10.1166/ asem.2013.1291.
- [20] S. Chauhan, **Kundan Sharma**, D. S. Rana, G. Kumar, A. Umar. (2013) Volumetric and conductance studies of cetyltrimethylammonium bromide in aqueous glycine. *J. Sol. Chem.* 42, 634–656. (Springer/Impact Factor: 1.256) 10.1007/s10953-013-9981-1.

- [21] S. Chauhan, **Kundan Sharma**, D. S. Rana, G. Kumar, A. Umar. (2012) Conductance, apparent molar volume and compressibility studies of cetyltrimethylammonium bromide in aqueous solution of leucine. *J. Mol. Liq.* 175, 103–110. (Elsevier/Impact Factor: 2.740). 10.1016/j.molliq.2012.07.029.

CONFERENCES ATTENDED:

INTERNATIONAL:

- [1] **Kundan Sharma**, S. Chauhan. 12th Zsigmondy Colloquium by **German Colloid Society** at Universitat Regensburg, **Germany** (April 06-08, 2016).
- [2] **Kundan Sharma**. International conference in collaboration with NRI on Recent trends in materials and devices (ICRTMD-2015) held at Amity University, Noida (U.P.) (Dec. 15-17, 2015). (**Attended**)
- [3] **Kundan Sharma**, S. Chauhan. International conference on “Emerging trends in Basic and Applied Sciences” held at Maharaja Agrasen University, Baddi (H.P.) (May 1-2, 2015).
- [4] **Kundan Sharma**, S. Chauhan. 2nd International Conference on “Emerging Trends in Drug Research and Development” held at Shree Dhanvantary Pharmacy College, Kim–Surat (Gujarat) (March 30–31, 2013) (**PCH–001**).
- [5] S. Chauhan, **Kundan Sharma**, M.S. Chauhan. International conference on “Chemistry for Sustainable Development and Innovations” held at National Institute of Technology, Jalandhar (Pb.) (Sept. 10–12, 2012) (**PP–350**).

NATIONAL:

- [6] **Kundan Sharma**. National conference on “Analytical Chemistry and Molecular Spectroscopy” (acms-2016) held at National Institute of Technology, Hamirpur (H.P.) (Oct. 13-14, 2016) (**Attended**).
- [7] **Kundan Sharma**, V. Bhardwaj, P. Sharma, S. Chauhan. 10th National conference on “Thermodynamics of Pharmaceutical, Chemical and Biological Systems” at Panjab University Chandigarh (Nov. 20-21, 2015) (**OL-10**).
- [8] **Kundan Sharma**, S. Chauhan. 3rd annual national conference on “Science: Emerging scenario and future challenges III” at Vallabh Govt. College Mandi (H.P.) (April 11-12, 2015).

- [9] **Kundan Sharma**, S. Chauhan, V. Bhardwaj, P. Sharma. National conference on recent advancement in novel drug delivery system and technology held at ASBASJSM college of pharmacy, Bela (Ropar) Pb. 140 111 (Nov 15-16, 2014) (**PP-73**).
- [10] **Kundan Sharma**, S. Chauhan. National Seminar on “Recent Trends in Material, Energy & Environment (NSRTMEE-2014) held at Sri Sai University, Palampur (H.P.) (Jan. 18, 2014) (**PP-01**).
- [11] S. Chauhan, **Kundan Sharma**, V. K. Syal, P. Sharma, V. Bhardwaj. Frontiers in Polymer Science (FPS-13) held at Himachal Pradesh University, Shimla (H.P.) (Dec. 12-13, 2013) (**PP-45**).
- [12] S. Chauhan, **Kundan Sharma**. 8th National Conference on Thermodynamics of Chemical, Biological and Environmental Systems (TCBES-2013) held at BBAU, Lucknow (U.P.) (Nov. 25-26, 2013) (**PP-72**).
- [13] S. Chauhan, **Kundan Sharma**. National conference of “Advancement, Challenges & Opportunities in Pharmaceutical Research” held at ASBASJSM College of Pharmacy, Bela Ropar (Punjab) (Oct. 18-20, 2013) (**PN-048**).
- [14] S. Chauhan, **Kundan Sharma**. 7th National conference on “Thermodynamics of Chemical Biological and Environmental Processes, TCBEF-2012” held at Sri Venkateswara University, Tirupati (A.P.) (Dec.10-12, 2012) (**PP-61**).
- [15] S. Chauhan, **Kundan Sharma**. National Seminar on “Advances in Environmental Sciences, NSAES-2012” held at Shoolini University, Solan (H.P.) (Aug. 24, 2012).
- [16] A. Umar, M. S. Chauhan, S. Chauhan, K. Kumar, **Kundan Sharma**. National Seminar on Experimental and Computational Techniques in Material Science, ECTMS-2012 held at Himachal Pradesh University, Shimla (H.P.) (March 31-April 2, 2012) (**PP-34**).
- [17] S. Chauhan, **Kundan Sharma**, G. Kumar. National seminar on “Frontiers in Polymer Science” held at Himachal Pradesh University, Shimla (H.P.) (Nov.18-19, 2011) (**PP-83**).
- [18] S. Chauhan, **Kundan Sharma**, M. S. Chauhan. 6th National Conference on Thermodynamics of Chemical and Biological Systems, NCTCBS-2011” held at Maharishi Dayanand University, Rohtak (Hry.) (Nov. 2-4, 2011) (**PP-31**).
- [19] S. Chauhan, **Kundan Sharma**, G. Kumar, M. S. Chauhan. National symposium on “Chemistry innovations for human well being (CIHW-2011)” held at Himachal Pradesh University, Shimla (H.P.) (Oct.21-22, 2011) (**PP-76**).

TEACHING EXPERIENCE:

- ❖ **March 2017- Till date**, Assistant Professor at Department of Higher Education, Shimla (H.P.)
- ❖ **July 2014 – Feb. 2017**, Assistant Professor at Amity University, Noida (U.P.) India.
- ❖ **Jan. 2012- Dec. 2012-** M.Sc. Chemistry (Physical Chemistry and Quantum Chemistry Course) at H.P.U. Shimla.

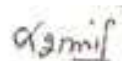
PROFESSIONAL RECOGNITION

- ❖ **Life member** of Indian Thermodynamic Society (ITS).
- ❖ **Member** of International Association of Colloid and Interface Scientists (IACIS)

PEER RECOGNITION:

- ❖ The Journal of Chemical Thermodynamics (Elsevier): **Impact factor-2.196**
- ❖ Journal of Molecular Liquid (Elsevier): **Impact factor-2.740**
- ❖ Polymer Bulletin (Springer): **Impact factor-1.371**
- ❖ Indian Journal of Pharmaceutical Education and Research: **Impact factor-0.210**
- ❖ Water science & Technology (The international water association)

I hereby affirm that the information furnished in this form is true and correct.



(Dr. Kundan Sharma)
(M.Sc., M.Phil. Ph.D.)