

Dr. Monika Lather
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A) Educational Qualifications

| Degree/Certificate | Year of Passing | University/Institute |
|--------------------|-----------------|----------------------|
| Phd | 2015 | Delhi University |
| NET/JRF | 2003,2008 | CSIR/UGC |
| Post Graduation | 2005 | MDU |
| Graduation | 2003 | MDU |

B) Career Profile

| Designation | Institution Served | Duration | | Experience |
|---------------------|-----------------------|---------------------------------|-----------|------------|
| Assistant Professor | A.I. Jat H.M. College | 21 st September 2013 | Till date | 6 years |
| | | | | |

C) Research Advisory

| No. of Students supervised | Phd | M.Phil. |
|----------------------------|-----|---------|
| | - | |

D) Projects Undertaken

| Title of the Project | Duration | Funding Agency | Status |
|----------------------|----------|----------------|-----------|
| | | | Completed |
| - | - | - | - |

E) Publications

BOOKS:

-

RESEARCH PAPERS :

i) Published in Referred/Peer viewed Journals and edited books : 6

1. A. K. Nain, **Monika Lather** and R. K. Sharma, Volumetric, ultrasonic and viscometric behaviour of *l*-methionine in aqueous-glucose solutions at different temperatures, ***Journal of Molecular Liquids***, 159, 180-188 (2011).
2. A. K. Nain, **Monika Lather** and R. K. Sharma, Study of solute-solute and solute-solvent interactions of *l*-methionine in aqueous-sucrose solutions at different temperatures, ***Journal of Chemical Thermodynamics***, 58, 101-109 (2013).
3. A. K. Nain, **Monika Lather** and Neetu, Probing solute-solute and solute-solvent interactions in *l*-arginine+ *d*-xylose/*l*-arabinose + water solutions at different temperatures by using volumetric and viscometric methods, ***Journal of Chemical Thermodynamics***, 63, 67-73 (2013).
4. A. K. Nain, **Monika Lather** and Neetu, Study of solute-solute and solute-solvent interactions of *l*-serine in *d*-xylose/*l*-arabinose + water solutions using volumetric, ultrasonic and viscometric methods, ***Physics and Chemistry of Liquids***, 2015 Vol. 53, No. 5, 599–618,.
5. A. K. Nain and **Monika Lather**, Volumetric, ultrasonic and viscometric studies of molecular interactions of *l*-histidine and *l*-arginine in aqueous-streptomycin sulphate solutions at different temperatures, ***Journal of Molecular Liquids*** 211(2015)178-186
6. A. K. Nain, **Monika Lather** Study of solute-solute and solute-solvent interactions of homologous series of some α -amino acids in aqueous-D-xylose solutions at different temperatures by using physicochemical methods. ***Journal of Chemical Thermodynamics*** 102(2016) 22-28

ii) **Participation in Conferences/Seminars/Workshops : 4**

| Sr. No. | Programme | Duration | Organized by |
|---------|---|---------------------------------|--|
| 1. | UGC Sponsored National Seminar on Emerging Trends in Chemistry | 12-13 th March, 2014 | Department of Chemistry, A.I. Jat H.M. College, Rohtak |
| 2. | 102 nd Indian Science Congress National Conference | 3-7 January 2015 | University of Mumbai, Mumbai |
| 3. | National Conference on Advanced Physical methods in Chemical Sciences | 22-23 February 2017 | Department of Chemistry, GJUS&T Hisar Haryana |
| 4. | International Seminar on Traditional Knowledge and Heritage of South Asia | 15-16 November 2016 | Department of Media, A.I. Jat H.M. College, Rohtak |