

## Faculty Profile

**Faculty Name:** Dr. Partibha

**Designation :** Assistant Professor

**Qualification:** PhD, NET, MSc(Chemistry)

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**Current Address:** Village – Ghasauli, tehsil- Ganaur, District- Sonipat, Haryana-131101

**Area of Interest:** Determination of thermophysical properties of binary liquid mixtures and interpretation of spectroscopic data.

### Experience:

- **Teaching: 2.5 Y**
- **R & D Organization / Industry: 4 Y**

### Other:

### Research Publications

#### 1. Journals:

1. International : 6 published & 2 under revision
2. National: NIL

#### 2. Conference / Seminar / Symposia etc.:

1. International: 4
2. National: 12

#### 3. Books / Monographs / Manuals (including year & publisher):

### Professional Membership:

### Main Courses Taught:

**P.G. :** M.SC

**U.G. :** BSc, BTech,

- **PhD Thesis**

Submitted on: 7 December 2018

- **PhD Awarded**

Degree was awarded on 22 April 2019

### **WORKING EXPERIENCE**

1. Worked as Lecturer in Department of Chemistry at GVM Girls College, Sonipat from 16-07-2013 to 30-04-2014
2. Worked as Teaching Associate Department of Chemistry at DCRUST, Murthal from 25-07-2014 to 21-11-2014
3. Worked as Lecturer Department of Chemistry at DCRUST, Murthal from 04-02-2019 to 06-05-2019
4. Working as an an Assistant Professor in **PIET SAMALAKHA** from 16-09-2019 to till date.

### **RESEARCH PUBLICATIONS**

#### **Research Papers Published in International Journals:**

1. "Measurement and corelation of thermodynamic properties of Amines & esters" **Journal of Molecular Liquid** 254(2018) ISSN no-0167-7332.
2. "Volumetric and FTIR studies of binary liquid mixtures of tributylamine & alkyl ester" **JCED Journal**(2018) 0021-9568.
3. "Studies of interaction b/w mixtures of (N-(1-Methylethyl) -2-Propananine) with acetic acid Methyl ester at 323.15K" **IJESTR Journal**(2017) 2394-3386.
4. "Prediction of interaction b/w binary mixture of aciphatic amines and aliphatic acetates" **Asian Journal of chemistry** (2018) 0975-427x.
5. "Hydrothermal synthesis of nono-crystals of titrania from TTIP and powder TiO<sub>2</sub>" **JNST Journal** (2016) 2455-0191

#### **Research papers presented in international and national conferences participated in short term course/ workshop / seminars:**

- 1) FDP Attended on Current trends in heating, ventilation, air condition and refrigeration engineering from 08/02/2016-12/02/2016 Deenbandhu Chhoturam University of science and technology, Murthal
- 2) Attended National symposium on electroceramics materials and devices from 21 feb 2014-22 feb 2014 GVM girls college, Sonipat
- 3) Oral presentation in Natioanl seminar on chemistry: our life our future 12 mar 2012- 12 mar 2012 GVM girls college, Sonipat
- 4) Attended Workshop on recent analytical developments in applied sciences. From 13 aug 2012- 14 aug 2012 DCRUST, Murthal

- 5) Attended National conference on advances in electronics and communication technology from 29 jan 2015- 30 jan 2015 DCRUST,Murthal.
- 6) Attended National conference on green technologies on green environment from 18 feb 2013- 19 feb 2013 GVM Girls college, Sonipat.
- 7) Present a paper in 5th National conference on chemical sciences:scenario and global challenges on 26 mar 2016 Arya PG College ,Panipat with title studies of molecular interaction of triethylamine with methyl acetate from 298.15k to 313.15k
- 8) Present a paper in 2nd National conference on physics of engineering materials 10 mar 2016-11 mar 2016 DCRUST,Murthal
- 9) Attended National seminar on managing chemistry for better life 30 mar 2016-30 mar 2016 GVM Girls college, Sonipat
- 10) Presented a paper on “Studies of density, speed of sound, viscosity, excess properties and prigogine–flory–patterson theory of binary mixtures of amine and alcohols” in 103rd Indian Science Congress Association 03 jan 2016-07 jan 2016 Studies of density and refractive index of binary mixtures of triethylamine and alcohols. .
- 11) Presented a paper in National Conference in multidisciplinary aspects of science and engineering held at DCRUST,Murthal on 23 nov 2016.
- 12) 6th National conference on chemical and environmental sciences: engineering dimension and challenges ahead on 1 apr 2017 Arya PG, College, Panipat with title “studies of density, speed of sound, viscosity, excess properties and prigogine–flory–patterson theory of binary mixtures of amine and alcohols”
- 13) Presented a paper on “Analysis of molecular interactions using computational techniques” in 2nd national conference on recent trends in computing and communication technologies held on 02 mar 2017- 03 mar 2017 DCRUST,Manthan
- 14) Attended a Short term course on “Recent advances in energy sources and environment protection” on 06 feb 2017-10 feb 2017 in Chemical Engg Deptt ,DCRUST,Murthal.
- 15) Presented a paper in 7th International conference on Engineering technology, science and management innovation 16 jul 2017-16 jul 2017 IETE, Delhi.
- 16) Presented a paper in Global innovators and researcher conclave at DCRUST,Murthal from 20 - 21 jan 2018.
- 17) Presented a paper on “Correlation of thermodynamic properties of binary liquid mixture of amine and acetates” in International conference on nano and functional material department of chemistry Birla Institute of Technology and Science, Pilani from 16-18 nov 2017.
- 18) Presented a paper on “Interaction study based on refractive indices of aliphatic amine with acetic acid methyl ester” in Global Congress on Biotechnology, Nanotechnology, Energy And Environment, held at DCRUST, Murthal jointly organised with Medimaa on 25-26 April 2018.