

## **Dr. Pinky Chaubey**

Guest faculty, Department of Chemistry

Radhey Hari Govt PG College

Kashipur U. S. Nagar

### **Educational Details**

- Ph.D. with major in chemistry, 2018, from G.B. Pant University of Agriculture & Technology, Pantnagar (U.S. Nagar) Uttarakhand in the field of **Phytochemistry/Natural Product**, Department of chemistry.
- Master of Science in Chemistry, Specialization (**Organic Chemistry**), 2013, Marks obtained 68.35% (First Div.), P.N.G.P.G. Govt. College Ramnagar (Nainital).
- Bachelor of Science (Physics, Chemistry, Mathematics), 2011, Marks obtained 71.63% (First Div.), P.N.G.P.G. Govt. College Ramnagar (Nainital).
- Intermediate (Physics, Chemistry, Mathematics), 2008, Marks obtained 80.40% (First Div.), Govt. Inter College, Ramnagar, (Nainital).
- High school (science group), 2006, Marks obtained 82.16% (First Div.), P.G.D.D.S.V.M. Chhoi, Ramnagar, (Nainital)

### **Additional qualification**

- CSIR NET qualified in December 2014 and June 2015
- GATE qualified in 2016

### **Area of Research**

#### **Phytochemistry/Natural Product Chemistry**

- Extraction of volatile and other chemical compounds from different parts of plants using hydro-distillation (Clevenger apparatus) and solvent extraction (cold extraction & soxlet apparatus).
- Separation of the compounds from the essential oil/ extract will be carried out by column chromatography.
- Characterization and identification of the compounds will be done by using modern spectroscopic techniques like NMR, GC-MS etc.
- Screening of extracts/essential oils for different biological activities like antioxidant, herbicidal, antifungal activity.

### **Analytical Technique**

- Structure elucidation of isolated compounds using NMR, IR, GC, GC/MS & HPLC.

#### **Membership of Society**

- Life Member of The Indian Science Congress Association (ISCA), L26836.

#### **Publications**

- Devesh Chandra, **Pinky Chaubey**, Archana Parki, Om Prakash, Ravendra Kumar & A.K. Pant 2017. Study on Chemical Diversity among Plant Parts of *Zingiber chrysanthum* and Their Antioxidant Assay, *Journal of Biologically Active Products from Nature*, 7:2, 107-117.
- **Pinky Chaubey**, Archana, Om Prakash, Kiran Rai, Ravendra Kumar and A.K. Pant 2017. *In vitro* antioxidant activity and total phenolic content of rhizome extracts from *Acorus calamus* Linn. *Asian journal of chemistry*, 29:11, 2357-2360.
- Archana Parki, **Pinky Chaubey**, Om Prakash, Ravendra Kumar and Anil K. Pant 2017. Seasonal Variation in Essential Oil Compositions and Antioxidant Properties of *Acorus calamus* L. Accessions, *Medicines*, 4:81, 1-1
- **Pinky Chaubey**, Archana Parki, Om Prakash, Ravendra Kumar and A.K. Pant 2018. Elemental profiling of *Acorus calamus* Linn from different altitudes of Uttarakhand, *Research in Environment and Life Sciences*, 11:5,139-143.

#### **Conferences/seminar**

- “Antioxidant Potential in *T. quadrifarium* and Characterization of Major Compounds”. **Pinky Chaubey**, Archana, A.K.Pant and Om Prakash. ICEFN-2016 confrence in Nanoscience and nanotechnology Centre, Deptt chemistry, Kumaun University, Nainital.
- Antioxidant Potential of Methanolic Extract of *Acorus calamus* Rhizome”. **Pinky Chaubey**, Archana, A.K. Pant and Om Prakash.NCAERG-2016, in deptt of chemistry, DIT University.
- “Chemical diversity of volatile constituents of *Acorus calamus* from different altitudes of Uttarakhand”. **Pinky Chaubey**, Archana, A.K. Pant and Om Prakash. 11<sup>th</sup>Uttarakhand State Science & Technology Congress, 2016-17.

- “*Acorus calamus*: A biologically active herb collected from different altitudinal regions of Uttarakhand”. **Pinky Chaubey**, Archana, A.K. Pant and Om Prakash. National conference on Science & Technology for national development, 2016. ISC association: Haridwar chapter.
- Participations in 103<sup>rd</sup> Indian Science Congress
- National seminar on “Interdisciplinary Approach of Science in Advancement of Technology: Art of Human welfare”