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Located on the scenic campus of Doon University, Dehradun, Department of Chemistry was established in the year 2015 and is an active beehive of high quality teaching programs and competent faculties with diverse research backgrounds that cater to the ever challenging needs of teaching and technical excellence in various areas in chemistry with globally benchmarked curricula.

Vision:

To lead the way in chemistry research and development through the study and application of chemical sciences, development of a highly productive scientific human resources and fostering a true scientific temper among students.

Mission:

i) To bring the vital and exciting elements of exploration and discovery to the study of chemical sciences at the undergraduate level.

ii) To promote interdisciplinary research across various departments of School of Physical Sciences (SoPS).

iii) To create vibrant partnership with industries to solve problems, relevant to mankind and a sustainable future.

Academic Programmes

The Department offers the following programmes (click on the link for more details):

- Integrated five years masters programme
- Doctoral programme

Research Highlights (See faculty profile for more details)

The department aims to establish the state of-the art experimental and computational facilities that will allow to venture into emergent interdisciplinary areas like nanotechnology, material chemistry, computational chemistry- Density functional theory calculations. The faculties of the department are engaged in the research through the international collaborations taking up the emerging challenges of scientific research. Following are the active areas of research in the department at present:

- Delivery systems, photocatalysis and applications of nanoparticles in water remediation
- Importance of different light activated metal nitrosyl complexes in photodynamic therapy

- Development of molecular and nanocatalysts and exploration of their applications in various chemical transformations
- Photoactivation of dioxygen molecule using Fe-TPA complexes linked with ruthenium based photosensitizer

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