

## Research Output

The faculty of the department have completed seven funded research projects, while five are in progress, published 121 papers in international journals and 56 papers in national journals during the past three years. They have attended 104 conferences / workshops. The department conducted XIV Congress of Andhra Pradesh Society for Mathematical Sciences in 2005. The English unit conducted a 2 day workshop on Communication Skills for English teachers of Engineering Colleges. Staff have been guiding research scholars in English, Mathematics, Physics and Chemistry leading to the award of M.Phil / Ph.D.

## Areas of research of the faculty

- English – English Language Teaching, Feminism, Indian Literature, Modern Prose & Fiction.
- Mathematics – Algebra, Lattice Theory, Number theory, Fuzzy Logic, Partial Differential Equations, Fluid dynamics, Cryptography.
- Physics – Solid State Physics, Nuclear Physics, Atmospheric Physics, Semiconductor Physics, Electronics.
- Chemistry – Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Environmental Chemistry.

## Patent Rights

The following patents on **New Hetero Cyclic Compounds Of Biological Significance** have been filed by Dr. G. V. R. Sharma in U.S. A and P.C. T.

1. Publication No.: US 2008/0221103 A1
2. Publication No.: WO 2007/007161 A2
3. Publication No.: US 2007/0167413 A1
4. Publication No.: WO 2008/110891 A2

## Research Programmes

The department offers Ph. D. programmes in Sciences and Humanities. The research activities of various disciplines involve different major areas in English, Mathematics, Physics and Chemistry.

**Duration**

Duration for Ph. D. programme is three years for full time scholars and four years for part time scholars. Duration for M. Phil. Programme is one year for full time scholars and two years for part time scholars.

**Student Feedback**

The feed back from students is taken at the end of each semester of the course. This facilitates the teachers analyze their teaching methods and adopt certain remedial measures wherever and whenever required.