

**MISRIMAL NAVJEE MUNOTH JAIN ENGINEERING COLLEGE****DEPARTMENT OF PHYSICS****RESEARCH**

One faculty in the department is doctorate and two members are pursuing PhD. Their areas of interest in research are:

| <b>S.No.</b> | <b>Name of the Faculty</b> | <b>Designation</b> | <b>PhD details</b> | <b>Area of specialization</b>         |
|--------------|----------------------------|--------------------|--------------------|---------------------------------------|
| 1            | G.Sridevi                  | AP                 | Purusing           | Spectroscopy, Medical Physics         |
| 2            | Mr.N.Muthurathina m        | AP                 | Pursuing           | Non - linear Dynamics                 |
| 3            | Dr.L.Dhivya                | AP                 | Awarded            | All – Solid – State Lithium Batteries |

The faculties in the Department of Chemistry have a number of research publications in international journals to their credit. They have been actively involved in various aspects of R&D.

| <b>S. No .</b> | <b>Title</b>   | <b>Name of the Journal</b>     | <b>Scopus / Web of Science Indexed</b> | <b>Impact factor / Cite Score</b> | <b>ISSN</b>  |
|----------------|--|--------------------------------|--|-----------------------------------|--------------|
| 1              | Synthesis, Experimental and Theoretical (DFT) analysis, Molecular docking and ADME properties of (E)-N'-(3-ethoxy-4-hydroxybenzlidene)isonicotinohydrazone(3E4HBINH)     | Journal of Molecular Structure | Scopus & Web of Science                | 4.0/7.1                           | 1292, 136096 |
| 2              | Synthesis, Spectral, Hirshfeld Surface Analysis, DFT, Molecular docking and ADMET Properties of (E)-4-fluoro-N'-(4-hydroxy-3-methoxy benzylidene)benzohydrazide (EFHMBH) | Journal of Molecular Structure | Scopus & Web of Science                | 4.0/7.1                           | 1320, 139656 |

| S.No | Name of the faculty | No. of paper presented | No. of publications in referred journals | FDP attended | Reviewed papers | Seminar / workshop attended | Seminar organised |
|------|---------------------|------------------------|--|--------------|-----------------|-----------------------------|-------------------|
| 1    | G.Sridevi           | 8                      | 2  |              | 2               | -                           | -                 |
| 2    | Mr.N.Muthurathinam  | -                      | -  | 15           | -               | 10                          | -                 |
| 3    | Dr.L.Dhivya         | -                      | 3  | -            | -               | 3                           | -                 |