

## Department of Physics

### List of Students Undertaking Research Projects, 2021-22

| Sl. No. | Name of Guide            | Name of Students                  | Topic of Project Work   |
|---------|--------------------------|-----------------------------------|---|
| 1       | Dr. Swetha               | Pooja Saraje (PH201021)           | Application of Artificial Intelligence and Machine Learning in Nuclear Physics- a Review              |
|         |                          | Jareena Banu Kuknur (PH201014)    |   |
|         |                          | Sanakausar Bagawan(PH201029)      |   |
|         |                          | Farhana Jahagirdar(PH201011)      |   |
| 2       | Dr. Swetha               | Shaila Pawar (PH201032)           | Synthesis and Characterisation of Ferroelectric ceramics  |
|         |                          | Parveen Nadaf(PH201019)           |   |
|         |                          | Preeti Jadhav (PH201022)          |   |
|         |                          | Basamma Chikkatti(PH201008)       |   |
|         |                          | Krishnaveni Nimbale(PH201015)     |   |
| 3       | Dr. Suresh C. Pattar     | Afreen Shaik (PH201002)           | Green Synthesis using mint leaves and characterisation of Zirconia (ZrO <sub>2</sub> ) Nano Particles |
|         |                          | Heenakousar Jamadar (PH201013)    |   |
|         |                          | Pallavi Walikar(PH201017)         |   |
|         |                          | Pavitra (PH201020)                |   |
|         |                          | Reshma (PH201024)                 |   |
| 4       | Dr. Suresh C. Pattar     | Afreen Mulla (PH201001)           | Electric Transport Properties of a Pressmud beyond juice and Ethanol                                  |
|         |                          | Deepa Hugar(PH201010)             |   |
|         |                          | Gayithri Vijapur(PH201012)        |   |
|         |                          | Srishti Ammajigol(PH201035)       |   |
|         |                          | Trupti Dambalkar(PH201040)        |   |
| 5       | Dr. Suresh C. Pattar     | Sayedha Asfiya Inamdar (PH201031) | Investigation of Radioactive particles in press mud of the Krishna basin sugar industries             |
|         |                          | Sumayya Awati(PH201037)           |   |
|         |                          | Tarannum Mulla (PH201039)         |   |
|         |                          | Umme Salam Totad(PH201041)        |   |
|         |                          | Uzma Kousar Mulla (PH201042)      |   |
| 6       | Dr. Suresh C. Pattar     | Bhagyashri Holi (PH201009)        | Spectral Investigation of Pressmud, a waste of Sugar Industries on the bank of River Krishna          |
|         |                          | Parvati Nimbaragi (PH201018)      |   |
|         |                          | Sahana Naaz Junnedi (PH201028)    |   |
|         |                          | Savita Kadakol (PH201030)         |   |
|         |                          | Vandana Daddimani (PH201043)      |   |
| 7       | Mohammedali D.Kakhandaki | Aishwarya D.Hunuur(PH201003)      | Investigation of Gamma Ray Backscattering by multi-layer combinations of Aluminium and Copper         |
|         |                          | Roopa S. Nimbaragi(PH201025)      |   |
|         |                          | Sadikhakhan Pathan (PH201027)     |   |
|         |                          | Shruti S.Joshi(PH201033)          |   |
|         |                          | Sudha M. Pattar(PH201036)         |   |
| 8       | Mohammedali D.Kakhandaki | Aishwarya Yaraddi(PH201004)       | Determining Adulterants in Milk by Calculating Attenuation Coefficient of Gamma Rays                  |
|         |                          | Ningamma hortikar(PH201016)       |   |
|         |                          | Rashida Bagwan(PH201023)          |   |
|         |                          | Ruksad Khatoon Malik (PH201026)   |   |
|         |                          | Shweta Kalagurki(PH201034)        |   |

*N. Swetha*

**Co-ordinator**  
**Department of Physics**  
Karnataka State Akkamahadevi Women's University,  
VIJAYAPURA.