

List of Ongoing Projects

Sr. No / Year	Title / Project Investigator's name & dept
167/2017	Study of cloud parameters observed by Ceilometer with the satellite retrieved and Mesoscale model generated, cloud parameters <i>Prof Pradeep Kumar, Dept. of Atmospheric & Space Science, SPPU</i>
168/2017	Astrobiology experiments on effect of impact and space related stress on micro-Organisms isolated from rocks: Implications for origin of life and lithopanspermia, <i>Dr Rebecca Thombre, Dept. of Biotechnology, Modern College of Arts, Science & Commerce Shivajinagar, Pune</i>
169/2017	Wear corrosion and impact toughness of the high nitrogen martensitic stainless steel (XD15NW) (16Cr, 0.20N, 0.42C,1.8Mo, 0.35V, balance Fe (in wt%)) <i>Dr N B Dhokey</i> <i>Dept. of, Metallurgy & Materials Science, College of Engineering, Shivajinagar</i>
170/2017	Miniaturized microstrip antenna designs for 3U cubesat covering UHF, L- and S-band frequency spectrum and their interference study for earth observations, <i>Dr Pratap Shinde, Dept. of, Electronics & Telecommunication, Sinhgad Academy of Engineering, Kondhwa, (BK) Pune</i>
171/2017	Design and development of work function measurement set up and its use to measure work function of thrusters, <i>Dr V L Mathe, Dept. of Physics, SPPU</i>
172/2017	Development of solders for use in cryogenic applications (E 2.1) <i>Prof Madhuri Deshpande, Dept. of Industrial & Production, VIT College, Pune</i>
173/2017	Selective capture and conversion of CO₂ to methanol from direct air using MOFs supported polyamines, <i>Dr (Mrs) Shobha Waghmode, Dept. of Chemistry, Abasaheb Garware College, Karve Road, Pune</i>
174/2017	Conducting polymer supported bimetallic nanostructures for fuel cell and hydrogen storage applications, <i>Dr Geeta Sharma, Dept. of Chemistry, SPPU</i>

175/2017 **Investigations on ZnSe:Te quantum dot scintillators for charge particle detection in space radiation environment** *Dr Shweta Jagtap, Dept. of Instrumentation Science, SPPU*

176/2017 **Development of Aluminium nitride and alumina based ceramics for high temperature electrical insulation,** *Mr Kaustubh Kambale, Dept. of Metallurgy and Materials Science,*

177/2017 **QPSK demodulator based on wideband acquisition technique**
Dr Vishal Wankhede Dept. of Electronics & Telecommunication, SNJB's College of Engineering, Neminagar, Chandwad - Nashik