**Appendix-A**

**LIST OF SHORTLISTED NOMINATIONS AT DOCTORAL LEVEL – PARALLEL SESSION (Group A)**

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| **S. No.** | **Time slot** | **Nominee** | **College / Institute** | **Title of Thesis** | **Engineering Discipline** |
| P-1 | 10:20-10:40 | P. Pravin Kumar Venkat Rao | Indian Institute of Technology Roorkee | Out-of-Plane Seismic Behaviour and strengthening of Unreinforced Masonry Walls | Civil Engineering |
| P-2 (B) | 10:40-11:00 | Stefie J. Stephen | Indian Institute of Technology Madras | Incorporation of time-dependent fracture behaviour in the structural design of fibre reinforced concrete elements | Civil Engineering  |
| P-5 | 11:00-11:20 | Mahesh Sharma | CSIR- CBRI Central Building Research Institute, Roorkee Academy of Scientific and Innovative Research(AcSIR) | Pullout behaviour of conventional and helical soil nails in cohesionless soils | Civil Engineering |
| P-20 | 11:20-11:40 | Kuppuraj Rajamanickam | Indian Institute of Science Bangalore | Studies on Flow Dynamics and spray swirl Interactions in Gas Turbine Combustor  | Mechanical Engineering |
| P-23 | 11:40-12:00 | Omkar Baswaraj Bembalge | Indian Institute of Technology Madras | Development and deformation behaviour of bulk ultra fine grained aluminium matrix composites | Mechanical Engineering |
| P-24 | 12:00-12:20 | Viney Ghai | Indian Institute of Technology Ropar | Design and Fabrication of Near Perfect Ultra Black Broadband Absorber | Mechanical Engineering |
| P-25 | 12:20-12:40 | Akshay Modi | Indian Institute of Technology Bombay | Tailored Polymer Nanocomposite Hollow Fiber Membranes for Biomedical, Gas Separation and Water Treatment Applications | Chemical Engineering |
| P-26 | 12:40-13:00 | Aditi Mullick | Indian Institute of Technology Kharagpur | Environment Friendly Approach for Water Treatment: Biosorption and Sonochemical Routes | Chemical Engineering |
| **S. No.** | **Time slot** | **Nominee** | **College / Institute** | **Title of Thesis** | **Engineering Discipline** |
| P-27 | 13:00-13:20 | Srinivas Soumitri Miriyala | Indian Institute of Technology Hyderbad | Towards Automated Design of Neural Netowrks for Modelling Static, Dynamic and Image Based Datasets in Process System Engineering  | Chemical Engineering |
| P-28 | 14:30-14:50 | Mohit Singh | Indian Institute of Technology Bombay | Pattern Formation, Dynamics and Breakup of Sub- Raylrigh charged Droplets Leviated in a Quadrupole Trap | Chemical Engineering |
| P-57 | 14:50-15:10 | Chandan Bose | Indian Institute of Technology Madras | Dynamical Analysis of unsteady flow phenomena around Flapping wings | Aerospace Engineering |
| P-58 | 15:10-15:30 | Robin John Varghese | Indian Institute of Technology Bombay | Measurement of the Laminar Burning Velocity of Multi Component Gaseous Fuels Simultaneously at Elevated Pressures and Elevated Tempewratures | Aerospace Engineering |
| P-60 (A) | 15:30-15:50 | Eranezhuth Wasan Awin | Indian Institute of Technology Madras | Precursor derived ceramic nanocomposites with stable nanocrystalline phases providing visible light photocatalytic activity and superior adsorption | Mining, Metallurgical and Materials Engineering  |
| P-63 | 15:50-16:10 | Pavan Pujar | National Institute of Technology Karnataka Surathkal | Solution-based and solution combustion-based processing techniques for metallic and metal oxide thin films for optoelectronic applications | Mining, Metallurgical and Materials Engineering  |
| P-64 | 16:10-16:30 | Jhansi Jadav | University of Hyderabad, School of Engineering Sciences & Technology, Hyderabad | Assessment of Precipitation, deformation and fracture behaviour of Superni 263 Ni base Superalloy under Tensile and Low cycle fatigue conditions | Mining, Metallurgical and Materials Engineering  |
| P-67 | 16:30-16:50 | Manoj Kumar Jangid | Indian Institute of Technology Bombay | Effects of the presence of 'buffer' interlayers on the stress development and integrity of Si during electrochemical Li- and Na-storage | Mining, Metallurgical and Materials Engineering  |