

LIST OF Ph.D. AWARDED IN USBAS

S.No	Name of Scholar	Title of Ph.D	Name of Supervisor	Year
1.	Dr. Renu Tuli	Chaos in attitude motion of a satellite under a third body torque in an elliptic orbit	Prof Rashmi Bhardwaj	2004
2.	Dr. Mani Sethi	Chaos in attitude motion of a satellite under air drag in circular orbit	Prof Rashmi Bhardwaj	2008
3.	Dr. Parsan Kaur	Chaos in non-linear planar oscillation of a satellite under the influence of magnetic torque in an elliptic orbit	Prof Rashmi Bhardwaj	2008
4.	Dr. Ashok Kumar	Mathematical & Statistical tools for location specific weather forecast in medium range (up to 5-days) using Numerical Weather Prediction (NWP)	Prof Rashmi Bhardwaj	2009
5.	Dr. Pooja Seth	Growth of multicrystalline sheets/tubes of LIF and silicon by Edge Defined Film Fed growth technique	Dr. Shruti Aggarwal and Prof. SMD Rao	2013
6.	Dr. Shweta Khanna	Electrical Characterization of Metal-SieSchottky Barrier Diodes	Dr. S. Neeleshwar	2013
7.	Dr. GeetaDurga	Studies on Phosphorous Nitrogen and Silicon Synergism for the Development of Flame Retardant Epoxy Resin	Prof. A.K. Narula	2013
8.	Dr. Ashish Kumar Mittal	Analysis of Air Pollutants using fractal and Wavelet Methods	Prof Rashmi Bhardwaj	2014
9.	Dr. Manju Rani	Synthesis of novel P (III) compounds including P-Heterocycles containing N/O Atoms and Their Chalcogenides	Dr. Arif Ali Khan	2014
10.	Dr. GouriSatpathy	Development of eco-friendly method to monitor and to reduce pesticide residues in Indian fruits and vegetables	Dr. Yogesh K. Tyagi and Prof. Rajender K Gupta	2014
11.	Dr. Abhitosh Upadhyay	Submanifolds of Manifolds with structures	Dr. R.S. Gupta	2014
12.	Dr. Asha Chilwal	Synthesis and Characterization of New Organotin Derivatives	Prof. A.K. Narula	2014
13.	Dr. Meenu Kapoor	Development of novel hydrocolloids by radiation processing technology	Prof. Saroj Aggarwal and Prof. R.K Khandal	2014
14.	Dr. Kulwinder Singh Parmar	Mathematical Modeling, Multi-fractal and Wavelet Analysis of Water Parameters	Prof Rashmi Bhardwaj	2014

15.	Dr. Seema Agrawal	A study on phosphorus containing poly (amide-imide)s and their effect on the curing & thermal stability of different epoxy resins	Prof. A.K. Narula	2014
16.	Dr. Srashti Gupta	Synthesis and Characterization of Nanostructured material: PbTe thin film	Dr. S. Neeleshwar	2015
17.	Dr. Adarsh Kumar	Synthesis characterization of open chain complexes and their uses as chemical sensors	Prof. Kusum Sharma	2015
18.	Dr. Paramjit Singh	Study of swift heavy Ion and Gamma ray induced free volume changes in polymeric materials and their characterization	Dr. Rajesh Kumar	2015
19.	Dr. Manoj Kumar Jaiswal	Synthesis and modification of Tin oxide nanomaterials by Ion beam for application in spintronics	Dr. Rajesh Kumar	2015
20.	Dr. Teena	Synthesis and Characterization of Hydrogels Through graft Copolymerization of Hydrophilic Monomers onto polymeric Films	Ms. Sunita Rattan	2015
21.	Dr. Preeti Sehgal	Synthesis and Properties of conducting polymers and their hybrids with inorganic molecules	Prof. A.K. Narula	2015
22.	Dr. Garima Sharma	Synthesis and Characterization of some Novel Lanthanide Compounds	Prof. A.K. Narula	2015
23.	Dr. Divya Jain	Newton Type Numerical Methods for Solving Non-Linear Equations	Prof Rashmi Bhardwaj and Prof. Iqbal Ahmad	2015
24.	Dr. Bhuvneshwar Rai	Development of degradable composite using euphorbia latex and banana fiber	Dr. Gulshan Kumar and Dr. R.K. Diwan	2015
25.	Dr. Kuldeep Srivastava	Assimilation of Doppler Weather Radar (DWR) Data for Weather Forecast	Prof Rashmi Bhardwaj	2015
26.	Dr. Kuldeep Kumar	A Study of Optical Properties of Cesium Halide CsX (X=Cl, Br, I) Thin Films Deposited by Thermal Evaporation Method”	Prof. Chhaya Ravi Kant	2015
27.	Dr. Hemant Kumar Singh	Study on Dye-sensitized solar cell (DSSC) modified by SHI irradiation	Prof. Shruti Aggarwal	2015
28.	Dr. Reval V. Durai	Multi-model Ensemble Prediction Systems for Short and Medium Range Weather Forecasting	Prof Rashmi Bhardwaj	2016
29.	Dr. Monika	Template based synthesis of compound semiconductor nanostructures and their applications	Dr. Rajesh Kumar	2016
30.	Dr. Meenu Chawla	Mathematical Modeling of Microfluidic, Nanofluidic and Fluid Flows Using Tribology	Prof. Rashmi Bhardwaj	2016

31.	Dr. Neha	Synthesis and Characterization of Noble Metal – Tin Oxide Plasmonic Nanocomposites for Sensing Applications	Dr. S. Mohapatra	2016
32.	Dr. Sini Kuriakose	Synthesis and Characterization of Multifunctional metal – zinc oxide hybrid plasmonic nanostructures	Dr. S. Mohapatra	2016
33.	Dr. Sanjeev Kr Gupta	A study of SHI and Gamma ray induced modifications of some polymers and their characterization	Dr. Rajesh Kumar	2016
34.	Dr. Ambika Tundwal	A Monte Carlo Code for radiation damage of reactor fuel cells, steel and polyethylene by high energy Gamma and Electrons	Prof. V. Kumar	2016
35.	Dr. Deepika Kumari	Geometry of Submanifolds and Biharmonic Maps	Dr. Ram Shankar Gupta	2016
36.	Dr. Meenu Chawla	Mathematical modeling of micro-fluidic, Nano-fluidic and fluid flows using tribology	Prof Rashmi Bhardwaj	2016
37.	Dr. Neha	Synthesis and Characterization of Noble Metal - Tin Oxide Plasmonic Nanocomposites for Sensing Applications	Dr. Satyabrata Mohapatra	2016
38.	Dr. Sini Kuriakose	Synthesis and characterization of multifunctional metal - zinc oxide hybrid plasmonic nanostructures	Dr. Satyabrata Mohapatra	2016
39.	Dr. Sanjeev Kr. Gupta	A study of SHI and Gamma ray induced modifications of some polymers and their characterization	Dr. Rajesh Kumar	2016
40.	Dr. Monika	Template based synthesis of compound semiconductor nanostructures and their applications	Dr. Rajesh Kumar	2016
41.	Dr. Manjeet Kaur	Non-linear Oscillation of a satellite in an elliptic orbit under the influence of aerodynamic torque and gravitational torque	Prof Rashmi Bhardwaj	2017
42.	Dr. B. Khasim Saheb	Fabrication and characterization of Novel nanostructured Thermo Electric Materials	Dr. S. Neeleshwar	2017
43.	Dr. Anuradha Saha	Development of Natural Polymer based Edible Coating on Fruits and Vegetables	Dr. Yogesh Tyagi and Prof. R.K. Gupta	2017
44.	Dr. Vatsala Sugumaran	Preparation and Characterization of Biocomposites based on polyolefin matrix and vegetable peel as reinforcements	Prof. A.K Narula	2017
45.	Dr. Sonam Singh	Investigations in three dimensional imaging and wavefront aberrations	Dr. Dinesh Ginotra	2017
46.	Dr. Imran Khan	Fuzzy mathematical programming with application to game theory	Dr. Abha Aggarwal	2017
47.	Dr. Chander Mohan	Synthesis and characterization of metal complexes and their application as chemical sensors	Prof. Kusum Sharma	2018

48.	Dr. Jaspal Singh	Synthesis and Characterization of noble metal TiO ₂ Plasmonic Nanocomposites	Dr. S. Mohapatra	2018
49.	Dr. Shruti Peshoria	Synthesis and Characterization of Polypyrrole/porphyrin Composites and study of their applications	Prof. A.K. Narula	2018
50.	Dr. Salma Khan	Synthesis and Characterization of Composites of Poly (3,4-Ethylendioxythiophene) and Study of their Applications	Prof. A.K. Narula	2018
51.	Dr. Chander Mohan	Synthesis and Characterization of metal complexes and their application a chemical sesnsors	Prof. Kusum Sharma	2018
52.	Dr. Manpreet Kaur Bagga	Corrosion Inhibition of Mild Steel by Green Inhibitors in Acidic Medium	Prof. Ranu Gadi	2018
53.	Dr. Jaspal Singh	Synthesis and Characterization of noble metal TiO ₂ Plasmonic Nanocomposites	Dr. S. Mohapatra	2018
54.	Dr. Rashi Gupta	Synthesis and Characterization of Semiconductor and Metallic Low Dimensional Structures using Porous Membranes as Socaffolds	Dr. Rajesh Kumar	2019
55.	Dr. Sarika Gupta	Identification of Organic Tracers in Aerosols over NCR (India)	Prof. Ranu Gadi	2019
56.	Dr. Vikas Kumar	Study of Swift Heavy ION Induced Modifications in Oxide Based Nanocomposite Materials	Dr. Rajesh Kumar	2019
57.	Dr. Ankur Sood	Iron oxide-gold core-shell nanoparticles for drug delivery and imaging applications	Dr. Tapan K. Jain	2019
58.	Dr. Varun Arora	Magnetic nanocomposites for drug delivery and imaging applications	Dr. Tapan K. Jain	2019
59.	Dr. Shivani	Development of Titania Nanostructures for Tailor made Properties of Polymer Nanocomposites	Dr. Gulshan Kumar	2019
60.	Dr. Ritesh Kumar	Study of Chitosan and PLA based biodegradable composite substrate for flexible electronic devices	Dr. Gulshan Kumar	2020
61.	Dr. Kavita Sahu	Synthesis and characterization of metal-oxide semiconductor based multifunctional hybrid nanosturctures	Dr. Satyabrata Mohapatra	2020
62.	Dr. J. R. Ansari	Synthesis and Characterization and Self Assembly and Template Driven Nano-Composites and Their Possible Applications	Prof. Anindya Datta	2020
63.	Dr. Kunchakara Suhasini	Synthesis and Characterization of functionalized mesoporous silica nanoparticles for sensing applications	Prof. Vaishali Singh	2020

64.	Dr. Saureesh Das	Complexity Analysis of Nonlinear Dynamical Systems	Prof Rashmi Bhardwaj	2020
65.	Dr. Sandeep Mishra	A study of non-classical and entangled states and their role in quantum information and quantum measurement	Prof. AnuVenegopalan	2020
66.	Dr. Sugandha Singhal	Studies on Synthesis SAR and Docking of some Novel Bis Pharmacophores and their Biological applications.	Dr. Leena Khanna	2020
67.	Dr. Jagjeevan Ram	Synthesis, Characterizations and Ion Beam Modifications of Nano Metal Oxide Polymer Composites	Dr. Rajesh Kumar	2021
68.	Dr. Meenakshi Dutt	Mesoporous Metal Oxides: Synthesis and Potential Applications	Prof. Vaishali Singh	2021
69.	Ms. Dimple Pruthi	Dynamic Estimation of Air Pollutants	Prof Rashmi Bhardwaj	2021