

DEATAIL OF Ph.D. SCHOLARS REGISTERED IN THE DEPARTMENT OF PHYSICS, UNIVERSITY OF JAMMU

S. No	Name of the Scholar	Whole /Part Time	Date of Registration	Topic of the Research	Name of the Supervisor
1.	Mr. Shammi Kumar	Part-Time	02-12-2016	Study of some tin Chalcogenide based thin films and Junction barriers for Photovoltaic and Optoelectronic device applications	Prof. Naresh Padha
2.	Ms. Padma Dolma	Whole-Time	19-06-2017	Study of some group II-VI/IV-VI binary and ternary chalcogenide thin films and diodes for solar cell fabrication	Prof. Naresh Padha
3.	Mr. Shafiq Ahmed	Whole-Time	05-07-2017	Study of thin films of some chalcopyrite materials and formation of diodes for photovoltaic applications	Prof. Naresh Padha
4.	Mr. Mohd. Anees Rubani	Part-Time	30-01-2019	Thin film ternary Chalcopyrites, $\text{Cu}(\text{S,Se})$ and their alloys: Growth dynamics, characterization and device fabrication	Prof. Naresh Padha
5.	Mr. Zakir Hussain	Whole-Time	06-02-2019	Study of some chalcogenide compound semiconductor materials and thin films for electronic device applications	Prof. Naresh Padha
6.	Mr. Dimple Singh	Whole-Time	11-07-2020	Study of some compound semiconductor thin films for optoelectronic and photovoltaic device applications	Prof. Naresh Padha
7.	Mr. Jigmat Stodius	Part-Time	19-06-2017	Experimental crystallographic & theoretical database studies of some halogenated heterocyclic compounds	Prof. Rajni Kant
8.	Mr. Mulveer Singh	Whole-Time	12-03-2018	Crystal structure and molecular packing interaction analysis of some nitrogen containing compounds	Prof. Rajni Kant
9.	Ms. Ruchika Sharma	Whole-Time	25-02-2020	Crystallographic, quantum chemical and	Prof. Rajni Kant

				molecular docking analysis of some bioactive nitrogen containing heterocycles.	
10.	Ms. Neha Kumari	Whole- Time	07-09-2020	X-ray crystallographic, quantum chemical and molecular docking analysis of some steroid and biphenyl structures	Prof. Rajni Kant
11.	Ms. Meenakshi Sharma	Whole Time	01-11-2017	K_s^0 , Λ and $\bar{\Lambda}$ production in p-Pb collision system with the ALICE detector at LHC energies	Prof. Anju Bhasin
12.	Ms. Pratibha Bhagat	Whole-Time	01-04-2019	Strange baryon production in Au+Au Collisions at RHIC energies.	Prof. Anju Bhasin
13.	Ms. Mahima Sharma	Whole-Time	03-10-2019	Studying Proton Lambda interactions via two-particle correlation function measurement in Au+Au collisions at RHIC energies	Prof. Anju Bhasin
14.	Ms. Upasana Sharma	Whole-Time	01-01-2020	Strange particle production in the ALICE experiment at the LHC	Prof. Anju Bhasin
15.	Mr. Randhir Singh	Whole-Time	01-12-2016	Open charm studies as function of event shape variables with ALICE detector at the LHC	Prof. S. S. Sambyal
16.	Mr. Nasir Mehdi Malik	Whole-Time	06-02-2019	Study of resonances production with ALICE detector at LHC	Prof. S. S. Sambyal
17.	Mr. Vikash Sumberia,	Whole-Time	01-03-2019	Hadronic resonance production with ALICE at LHC energies.	Prof. S. S. Sambyal
18.	Mr. Ashish Jalotra	Whole-Time	06-06-2019	Baryon stopping via strange hadron production at STAR detector	Prof. S. S. Sambyal
19.	Ms. Binti Sharma	Whole-Time	28-09-2021	Study of non-prompt D^+ mesons using machine learning techniques with ALICE detector at the LHC	Prof. S. S. Sambyal
20.	Mr. Arun Gupta	Whole Time	18-07-2018	Study of rotational band structure of some non-magic nuclei in the Lanthanide series	Prof. Arun Bharti
21.	Ms .Simi Gupta	Whole Time	28-10-2020	Evolution of structure of some exotic nuclei lying within the proximity of closed shell Z=28 using self-consistent approach.	Prof. Arun Bharti
22.	Ms. Monika	Whole Time	28-11-2016	Preparation and characterization studies on	Prof. K.K. Bamzai

				nanoparticles of some pure and doped rare earth vanadates and arsenates.	
23.	Mr. Yaseen Ahmad	Part Time	11-10-2018	Preparation, characterization and magnetic properties of some alkaline and rare earth doped transition metal ferrites.	Prof. K.K. Bamzai
24.	Mr. Tariq Mustafa	Whole Time	10-08-2019	Preparation, characterization and properties of pure and rare earth doped transition metal complexes	Prof. K.K. Bamzai
25.	Ms. Nisha Devi	Whole Time	28-10-2020	Studies on preparation and characterization of perovskite based thermoelectric materials	Prof. K.K. Bamzai
26.	Ms. Zarina Banoo	Whole-Time	06-02-2019	Scaling of charged particles produced in ultra-relativistic nuclear collisions	Dr. Ramni Gupta
27.	Ms. Sheetal Sharma	Whole-Time	01-03-2019	A study of fluctuations in the multi particle production at ultra-relativistic high energy collisions	Dr. Ramni Gupta
28.	Mr. Salman Khurshid Malik	Whole-Time	26-12-2019	An event-by-event study of local fluctuations in multiparticle production at ultra-relativistic energies	Dr. Ramni Gupta
29.	Mr. Balwan Singh	Whole -Time	09-08-2021	Study of multiplicity fluctuations of particles produced at the LHC energies	Dr. Ramni Gupta
30.	Mr. Fakhar Ul Haider	Whole-Time	01-10-2021	Event-by-Event multiplicity fluctuations of produced particles at high energy collisions	Dr. Ramni Gupta
31.	Mr. Mohd Faisal	Whole Time	06-06-2019	Theoretical interpretation of rotational bands of some nuclei in the rare earth mass region	Dr. Rani Devi
32.	Ms. Saima Sadiq	Whole Time	10-07-2020	Study of nuclear structure properties of some exotic nuclei with atomic number less than 70.	Dr. Rani Devi
33.	Mr. Anoop Singh	Whole-Time	23-01-2020	Synthesis and characterization of cotton based wearable electrodes for sensing key analytes from human sweat	Dr. Sandeep Arya
34.	Mr. Aamir Ahmed	Whole-Time	15-02-2022	Fabrication and characterization of carbon material-based thin films as electrodes for supercapacitor applications	Dr. Sandeep Arya

