

Maharaja Ranjit Singh Punjab Technical University, Bathinda**Department of Physics**

S.No.	Roll No.	Name of Students	Title of the thesis	Name of Guide/Supervisor	Year
1	15220139	Nagma Bhullar	Literature Review of Synthesis and Characterization of ZNO nanoparticle via SOL-GEL Combustion and Hydrothermal Method	Dr. J.S. Hundal	2016-2017
2	15220129	Kunwarpreet Singh	The Study of Bismuth Ferrite	Dr. J.S. Hundal	2016-2017
3	15220136	Manpreet Kaur	Review of Research Papers on Study of Natural Radio Activity in Soil	Dr. Sandeep Kansal	2016-2017
4	15220142	Neha Kataria	Review of research papers on study of uranium concentration in water	Dr. Sandeep Kansal	2016-2017
5	15220158	Sarabjeet Kaur	Literature review for the measurement of radon concentration in water	Dr. Sandeep Kansal	2016-2017
6	15220114	Ashutosh Kaushik	Literature review for the measurement of uranium concentration in soil samples	Dr. Sandeep Kansal	2016-2017
7	15220113	Aashima	Literature review for the measurement of Radon Exhalation Rates from the sample of soil & rocks	Dr. Sandeep Kansal	2016-2017
8	15220109	Amandeep Kaur	Literature review for the measurement of indoor radon concentration	Dr. Sandeep Kansal	2016-2017
9	15220122	Harvinder Kaur	Physical and Chemical Properties of Aerosols PM2.5	Dr. Veena Sharma	2016-2017
10	15220154	Sandeep Kaur	Literature Review on Ground Water Contamination	Dr. Veena Sharma	2016-2017
11	15220127	Komalpreet Kaur	Contamination of Heavy Metals in Ayurvedic Medicines	Dr. Veena Sharma	2016-2017
12	15220159	Saranjit Singh	Investigation of Metal Contamination in Groundwater	Dr. Veena Sharma	2016-2017
13	15220119	Gunjan	A Study on the Groundwater Contamination and Its Remedies	Dr. Veena Sharma	2016-2017
14	15220117	Suneha	Physical and Chemical Properties of Aerosols PM10	Dr. Veena Sharma	2016-2017

S.No.	Roll No.	Name of Students	Title of the thesis	Name of Guide/Supervisor	Year
15	15220131	Mandeep Singh	Study on the Effects of fukuushima Nuclear Meltdown on Environment and Health	Dr. Veena Sharma	2016-2017
16	15220130	Lovepreet	Literature Review on Soil Contamination	Dr. Veena Sharma	2016-2017
17	15220150	Rajwinder Kaur	Investigation of Heavy Metal Contamination in Soil	Dr. Veena Sharma	2016-2017
18	15220135	Manoj Kumar	X-ray Cross Section using Different Radioactive Substances	Dr. Veena Sharma	2016-2017
19	15220134	Maninder Singh	X-ray Production Cross Section	Dr. Veena Sharma	2016-2017
20	15220124	Jagjit Singh	Fukushima Nuclear Accident	Dr. Veena Sharma	2016-2017
21	15220156	Sandeep Kaur	Magnetocaloric Materials as Refrigerants	Dr. Satnam Singh	2016-2017
22	15220143	Neha Garg	A review of Semi-Conducting Quantum Dots.	Dr. Satnam Singh	2016-2017
23	15220125	Jasjot Kaur	Preparation of Thin Films of Zinc Oxide by Sol-Gel Technique	Dr. Satnam Singh	2016-2017
24	15220108	Aarti Sharma	Electro-caloric as Energy Efficient Refrigerant Materials	Dr. Satnam Singh	2016-2017
25	15220149	Rajdeep Kaur	Review of Soft Magnetic Materials	Dr. Satnam Singh	2016-2017
26	15220148	Prabhjot Kaur	Investigations of Ferromagnetic Shape Memory Alloys as Actuator Material	Dr. Satnam Singh	2016-2017
27	15220144	Nitika	Barium Strontium Titanate Thin Flms for Tunable Microwave Applications	Dr. Satnam Singh	2016-2017
28	15220137	Manpreet Kaur	Investigations on High Temperature Superconductors	Dr. Satnam Singh	2016-2017
29	15220146	Pooja Sethi	Review of Liquid Crystals and Its Appllications	Dr. Satnam Singh	2016-2017
30	15220162	Simranjeet Kaur	Evolution of Giant Magneto Resistance Properties of Spintronic Materials	Dr. Satnam Singh	2016-2017

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31	15220152	Ramanpreet Kaur	Review of Hard Magnetic Materials	Dr. Satnam Singh	2016-2017
32	15220119	Harmandeep Kaur	Studies of Multiferroices	Dr. Satnam Singh	2016-2017
33	15220116	Bhawanjot Singh	Dust evolution and formation of planetesimal	Dr. Gagan Gupta	2016-2017
34	15220138	Mayank Bansal	Initial mass function	Dr. Gagan Gupta	2016-2017
35	15220153	Sachin Chugh	Star formation in molecular clouds	Dr. Gagan Gupta	2016-2017
36	15220110	Amanpreet Singh	Study of mars	Dr. Gagan Gupta	2016-2017
37	15220118	Hardep Singh	Mission on moon for the serach of water	Dr. Gagan Gupta	2016-2017
38	15220157	Sandeep Kaur	Short-lived radionuclides by irradiation in the early solar system	Dr. Gagan Gupta	2016-2017
39	15220163	Sukhpreet Singh	Study of the partial differetiated aesteroid 21 lutetia	Dr. Gagan Gupta	2016-2017
40	15220120	Harmandeep Singh	Study of exoplanets	Dr. Gagan Gupta	2016-2017
41	15220126	Jaskaran Singh	Formation of planetesimals in early solar system	Dr. Gagan Gupta	2016-2017
42	15220132	Mandeep Kaur	Formation of vesta	Dr. Gagan Gupta	2016-2017
43	15220147	Pooja Bansal	Study of stellar nucleosynthesis	Dr. Gagan Gupta	2016-2017
44	15220151	Raman Kumar	Galactic chemical evolution	Dr. Gagan Gupta	2016-2017
45	15220115	Beant Kaur	Isotopic effects in atmospheric water vapour at low condensation temperature	Dr. Pooja Devi	2016-2017
46	15220111	Arjit Kaur	Transition metal oxides as gas sensing materials	Dr. Pooja Devi	2016-2017

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47	15220161	Shifali Jindal	Bottom up and top down fabrication techniques for nanostructure formation	Dr. Pooja Devi	2016-2017
48	15220140	Navjot Singh	Chemoresistive gas sensors based on phthalocyanine material	Dr. Pooja Devi	2016-2017
49	15220155	Sandeep Kaur	Stable isotopic analysis using mass spectrometry and laser based techniques	Dr. Pooja Devi	2016-2017
50	15220128	Kulveer Kaur	Isotopic fractionation of water during evaporation	Dr. Pooja Devi	2016-2017
51	15220107	Diksha Sachdeva	Phthalocyanine and ZnO Thin Films Deposition by Thermal Evaporation Techniques	Dr. Pooja Devi	2016-2017
52	15220112	Arshdeep Singh	Preparation of Thin Films by Spin Coating Techniques	Dr. Pooja Devi	2016-2017
53	15220145	Pavel Sidhu	An Insight into Craig and Gordon Model of Evaporation	Dr. Pooja Devi	2019-2020
54	180870013	Avneet Kaur	Synthesis of PVDF-BFO composite films by melt press and solution cast method and impedance spectroscopy	Dr. J.S. Hundal	2019-2020
55	180870015	Sudesh Kumari	Study of Dielectric Properties of Bismuth ferrite/Polyvinylidene fluoride composite film	Dr. J.S. Hundal	2019-2020
56	180870003	Aashima	Review of Literature for measurement of Radon Concentration in water	Dr. Sandeep Kansal	2019-2020
57	180870007	Asha Rani	Review of Multiferroic Materials	Dr. Satnam Singh	2020-2021
58	180870005	Nitika	A review on Electro-caloric Effect	Dr. Satnam Singh	2020-2021
59	180870006	Sashpreet Kaur	Study the Particulate Matter PM10 and effects of Meteorological Parameters on its concentration	Dr. Gagan Gupta	2020-2021
60	180870016	Meenakshi Bansal	Influence of meterological conditions on PM2.5 concentrations	Dr. Gagan Gupta	2020-2021
61	180870003	Riya Gupta	Literature review for measurement of concentration of uranium in water	Dr. Sandeep Kansal	2020-2021
62	180870003	Simran	Literature review for measurement of radon in water	Dr. Sandeep Kansal	2020-2021

S.No.	Roll No.	Name of Students	Title of the thesis	Name of Guide/Supervisor	Year
63	190870001	Anamika	STUDY OF PARTICULATE MATTER - PM2.5	Dr. Veena Sharma	2020-2021
64	190870010	Nidhi Thakur	STUDY OF PARTICULATE MATTER - PM10	Dr. Veena Sharma	2020-2021
65	190870004	Jagmeet Singh	Synthesis & Characterisation of CCTO Ceramics by Solid State Reaction Method	Dr. Satnam Singh	2020-2021
66	190870018	Saurav Gautam	Synthesis , Characterisation study and effect of Temperature on CCTO	Dr. Satnam Singh	2020-2021
67	200870002	Dinky	Analysis of Radon concentration in water in western Bathinda usinf RnDuo	Dr. Sandeep Kansal	2021-2022
68	200870005	Khushpreet Kaur	Dose estimation due to Radon concentration in water in eastern Bathinda using RnDuo	Dr. Sandeep Kansal	2021-2022
69	200870010	Prinav	Scratching the surface of Ceres and Vesta	Dr. Gagan Gupta	2021-2022