

LIST OF COMPLETED RESEARCH PROJECTS 2016 to 2021

Sr.No.	Sponsor	Principal Investigator	Title	Funds Sanctioned	Duration	Status
1.	SERB (DST)	Dr. M.M. Aggarwal & Dr. Lokesh Kumar	"A large ion Collider Experiment (ALICE) Upgrade, Operation and Utilization"	Rs. 2,05,00,000.00	26.08.2016 To 31.12.2020	Completed
2.	SERB (DST)	Dr. Samarjit Sihotra	"LaBr3: Ce Scintillation Detectors for Fast timing measurement"	Rs. 55,00,000.00	26.09.2020 to 31.12.2020	Completed
3.	CSIR	Dr. Samarjit Sihotra	"Nuclear structure close to Z-50 Shell closure Nuclei through Nuclear Fusion Evaporation reactions"	Rs. 6,64,000/- per year	01.08.2018 to 31.07.2021	Completed
4.	SERB (DST)	Dr. Rajesh Kumar	"Synthesis and Optimization of interface modification.	Rs. 31,71,000.00	19.8.2018 to 18.8.2021	Completed
5.	SERB(DST)	Dr. Natasha Sharma	Ramanujan Fellowship	Rs. 1,00,52,161.00	11.01.2016 to 10.01.2021	Completed
6.	NASI	Dr. K.N. Pathak	Senior Scientist Research Fellowship Scheme	Rs.23,00,000/- (Scientist Fellowship and Contingency) RAII= 38,000/- + 20% (HRA) = 5,47,200/- p.a.	01.01.2016 to 30.06.2021	Completed
7.	SERB-DST	Dr. Lokesh Kumar	Study of quantum chromo dynamics phase diagram and bulk properties in heavy-ion collisions	Rs.17,41,190.00	3.10.2016 to 2.10.2019	Completed
8.	UGC	Dr. Lokesh Kumar	BSR Start-up Grant	Rs. 6,00,000/-	17.12.2015 to 31.12.2018	Completed
9.	IUAC/NSC	Dr.Samarjit Sihotra	"Nuclear structure studies in some Ag,Rh and Pd isotopes close to N=Z=50 shell closure"	Rs.3,92,325/-	12-02-14 to 11-02-18	Completed
10.	DST / DEA	Dr. Vipin Bhatnagar	Collaboration by Indian Physicists on Neutrino Projects" at Fermilab(USA)	Rs. 2, 33, 70,000.00	29.02.2012 to 31.03.2017	Completed
11.	DST / DEA	Dr. J.B. Singh Dr. Vipin Bhatnagar	"R&D Efforts by University Groups for INO project"	Rs. 1, 47, 16,000.00	26.01, 17 to 31.03.2020	Completed
12.	SERB (DST)	Dr. J. B. Singh Dr. Manjit Kaur	"Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization".	Rs. 7,96,00,000.00	31.07.2014 to 30.09.2020	Completed
13.	DST / DEA	Dr. M.M. Aggarwal Dr. S.B. Beri	"Updating and Operation of Regional WLCG Grid System"	Rs. 52,10,000.00	26.09.2014 to 31.12.2020	Completed
14.	UGC-DAE	Prof. D. Mehta	"Investigation of uranium mobilization from Subsurface sediments by effects of bicarbonate And other ions in groundwater of Malwa Region of Punjab state in India"	Rs.75,000/- +JRF	01-01-2014 to 31-12-2016	Completed
15.	UGC	Dr. S.K. Tripathi	"Study of Phase Change Mechanism In GST Nanoparticles For PCRAM Devices".	Rs.13,22,800/-	01-04-2013 to 31-03-2017	Completed

16.	UGC	Prof. R.K. Puri	"Study of collective flow and related phenomena In intermediate energy heavy ion collisions"	Rs.10,10,000/-	01-04-2013 to 31-03-2017	Completed
17.	UGC	Prof. Nirmal Singh	"In beam nuclear structure physics in A100 130 mass nuclei"	Rs.6,38,200/-	01-04-2013 to 31-03-2017	Completed
18.	CSIR	Dr. M.M. Gupta	"Phenomenological Fermion Mass Matrices And Flavor Mixings"	Rs.2,50,000/-+JRF	01-10-2014 to 31-03-2019	Completed
19.	DAE-BRNS	Dr. Sakshi Gautam	"Study of fragmentation in thermal bath and systematic in heavy-ion collision at intermediate energies".	Rs.17,80,500/-	01-04-2015 to 31-03-2018	Completed
20.	DAE-BRNS	Dr. K.P. Singh CI-Dr. B.R. Behera	"Elemental Analysis of coal and fly ash from coal fired thermal power plants using PIXE and PIGE techniques"	Rs.12,74,500/-	01-04-2015 to 31-12-2018	Completed
21.	NSC	Prof. B.R. Behera	"Mapping the Evaporation Residue Cross Sections For Shell Closed Nuclei (Extra Push Versus Shell Closure)"	Rs.75,000/- +JRF	01-09-2015 to 31-08-2018	Completed
22.	NSC	Prof. A.K. Bhati	"Nuclear Electromagnetic Moments and the Atomic Magnetic Moments Measurements Using the PAD Techniques"	Rs.75,000/- +JRF	03-10-2016 to 02-10-2019	Completed
23.	NSC	Prof. B.R. Behera	"Measurement of Fusion Barriers Distributions"	Rs.75,000/- +JRF	01-01-2016 to 31-12-2019	Completed
24.	CSIR	Prof. R.K. Puri	"Study of isospin effects on the onset of multifragmentation and vaporization in heavy ion collisions at intermediate energies"	Rs.5,00,000/-+RA	30-01-2017 to 29-01-2020	Completed
25.	SERB (DST)	Dr. R.K. Gupta	"Fusion-Fission in Nuclear Heavy Ion Reactions using Skyrme Energy Density Formalism"	Rs.23,40,000/-	20.5.2013 to 19.9.2016	Completed
26.	SERB(DST)	Dr. Amandeep Sood	Ramanujan Fellowship	Rs. 82,26,000.00	1.1.2011 to 31.12.2015	Completed
27.	SERB(DST)	Dr. Kuldeep Chand	"Multiferroic magneto electric properties of Hydrothermal synthesis".	Rs. 24,72,000.00	3.2.2012to 2.2.2017	Completed
28.	SERB(DST)	Dr. Rajnish Kaur	National Post Doctoral Fellowship	Rs. 19,20,000.00	1.5.2017 to 30.4.2020	Completed
29.	UGC	Chairperson / Coordinator CAS	SAP CAS-V	Rs.2,84,00,000/-	01-04-2015 to 31-03-2020	Completed
30.	DST- Purse	Chairperson	PURSE –II	Rs.11,35,000.00	June 2010 to	Completed