

DETAILS OUTLAY OF SPONSORED PROJECTS - IISER- PUNE

SR. NO.	NAME OF PROJECT	DIGITAL CODE	PROJECT CODE	FUNDING AGENCY	PROJECT LEADER	SANCTION NO./DATE	SANCTION YEAR
1	Establishment of A Pune Biotech Cluster, Model Organism to Human Disease - B-1 - Bio Imaging Facility	30818363	GAP/DBT/BIO-18-363	DBT	Prof. Jayant Udgaonkar	BT/Pune-Biocluster/01/2015 dt. 29.06.18	2018-19
2	Establishment of A Pune Biotech Cluster, Model Organism to Human Disease - B-2 Whole Animal Imaging & Tissue Processing Facility	30818364	GAP/DBT/BIO-18-364	DBT	Prof. Jayant Udgaonkar	BT/Pune-Biocluster/01/2015 dt. 29.06.18	2018-19
3	DST Project - Dr. Harinath Chakrapani / Pilot Programe of India Innovation Competency Enhancement Program (IICEP)	30119486	GAP/DST/CHE-19-486	DST	Dr. Harinath Chakrapani	4/26/2020-IAM dt. 26.03.20	2019-20
4	TCG-CREST Joint Centre for Sustainable Energy Project	33820495	INDL/TCG/PHY-20-495	TCG CREST	Prof. Satishchandra Ogale	Agreement dt. 11.03.2020	2020-21
5	Swarnajayanti Fellowship- Dr. Anup Biswas	30120513	GAP/DST/MTH-2020-513	DST	Dr. Anup Biswas	DST/SJF/MSA-01/2019-20 dt. 02.12.2020	2020-21
6	Swarnajayanti Fellowship- Dr. Rejish Nath	30120514	GAP/SERB/PHY-2020-514	SERB	Dr. Rejish Nath	DST/SJF/PSA-04/2019-20 dt. 02.12.2020	2020-21
7	Swarnajayanti Fellowship- Dr. Angshuman Nag	30120515	GAP/SERB/CHE-2020-515	SERB	Dr. Angshuman Nag	DST/SJF/CSA-01/2019-20 dt. 02.12.2020	2020-21
8	Lanthanide Doping in Perovskite Semiconductors : visible to infrared electroluminescence	30120519	GAP/DST/CHE-20-519	SERB	Dr. Angshuman Nag	SB/SJF/2020-21/02	2020-21
9	Engineering Quantum Matter and Quantum states in dipolar systems towards Quantum technological applications	30120520	GAP/DST/PHY-20-520	SERB	Dr. Rejish Nath	SB/SJF/2020-21/19 dt. 18.12.2020	2020-21
10	Analysis of nonlinear nonlocal partialdifferential equations : A probabilistic viewpoint	30120523	GAP/SERB/MTH-20-523	SERB	Dr. Anup Biswas	SB/SJF/2020-21/03 dt. 19.12.2020	2020-21
11	Water Desalination with Simultaneous Electricity Generation by Harnessing the Energy of Neutralization	30120536	GAP/DST/CHE-20-536	DST	Dr. Muhammed Musthafa OT	DST/TMD-EWO/WTI/2K19/EWFH/2019/272(G) dt. 04.02.2021	2020-21
12	EMBO Young Investigators Small Grant	33820537	GAP/OHTERS/BIO-20-537	EMBO Young Investigators Small Grant	Dr. Siddhesh Kamat	Letter dt. 20.01.2021	2020-21
13	INSPIRE Faculty Award - Arjun Datta	31820539	GAP/DST/INSPIRE/ECT-20-539	DST-INSPIRE	Dr. Arjun Datta	DST/INSPIRE/04/2019/001371 dt. 20.04.2020	2020-21
14	"Transcription- translation uncoupling in bacteria: Dissectingthe fundamental principles of a phenomenon unknown in bacteria	30121543	GAP/SERB/BIO-21-543	SERB	Dr. Sunish Radhakrishnan	SPR/2020/000504 dt. 30.03.2021	2021-22
15	The Living Waters Museum project.	31721545	GAP/BC-21-545	Self Funded	Dr. Sara Ahmed	Self Funded	2021-22
16	DST - FIST Program - Chemistry	30121546	GAP/DST/FIST/CHE-20-546	DST-FIST	Dr. H. N. Gopi, Now Chair is Dr. Nirmallya Ballav	SR/FST/CS-II/2019/105 dt. 25.03.2021	2020-21
17	Indigenous Li-ion Battery Development for Solar Inverters, Solar EV Charges, and Small Electric Vehicles	30121548	GAP/DST/CHE-21-548	DST	Dr. Nirmallya Ballav - PI and Dr. Satish Ogale - CO-PI	DST/TMD/CERI/RES/2020/19(G) / 03.06.2021	2021-22
18	Wellcome Trust / DBT India Alliance - A Senior (Basic) Fellowship - Dr. Sunish Kumar Radhakrishnan	30721555	GAP/Wellcome Trust/BIO-21-555	Wellcome Trust - DBT India Alliance - Other	Dr. Sunish Kumar Radhakrishnan	IA/S/20/2/505202 dt. 28.06.2021	2021-22
19	Wellcome Trust / DBT India Alliance - Dr. Nishad Matange	30721560	GAP/Wellcome-Trust/BIO-21-560	Wellcome Trust - DBT India Alliance - Other	Dr. Nishad Matange	IA/I/20/2/505181 dt. 02.07.2021	2021-22
20	Transforming higher educational landscape, through the continuous professional development of teachers in Higher Education Institutes (HEIs) of Maharashtra	33821564	GAP/MSFDA/CHE-21-564	MSFDA	Dr. Harinath Chakrapani & Dr. Sourabh Dube	Demand Note dt. 27.12.2021	2021-22
21	Generation of prebiotic amphiphile diversity and its role in the sustenance, growth, and division of protocellular compartments	30121568	GAP/DBT/BIO-21-568	SERB	Dr. Sudha Rajamani	CRG/2021/001851 dt. 05.01.2022	2021-22
22	Wellcome Trust / DBT India Alliance - Dr. Raghav Rajan	30721569	GAP/Wellcome Trust/BIO-21-569	Wellcome Trust - DBT India Alliance - Other	Dr. Raghav Rajan	IAS/21/1/505621 dt. 18.11.2021	2021-22
23	Understanding respiratory and neural correlates of introductory note progression to song in the adult male zebra finch	30121572	GAP/SERB/BIO-21-572	SERB	Dr. Raghav Rajan & Dr. Aurnab Ghose	CRG/2021/004690 dt. 17.01.2022	2021-22
24	Swarnajayanti Fellowship : Mapping oxidative stress pathways in mammalian systems using an integrated chemical proteomics and metabolomics approach	31221575	GAP/SERB/BIO-21-575	SERB-SJF	Dr. Siddhesh Kamat	SB/SJF/2021-22/01 dt. 08.02.2022	2021-22

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25	Swarnajayanti Fellowship : Nonlinear elliptic equations with Hardy potential	31221576	GAP/SERB/MATHS-21-576	SERB-SJF	Dr. Mousomi Bhakta	SB/SJF/2021-22/09 dt. 08.02.2022	2021-22
26	Assessment of Bone Age using Artificial Intelligence in children and adolescents across different ethnicities	30821579	GAP/DBT/BIO-21-579	DBT	Dr. Pranay Goel (PI) & Dr. Leelavati Naralikar (Co-PI)	BT/PR41073/Swdn/135/4/2020 dt. 31.01.2022	2021-22
27	To decipher the role of MLL complex in the regulation of Rho family of GTPases	30821581	GAP/DBT/BIO-21-581	DBT	Dr. Sanjeev Galande	BT/PR34385/BRB/10/1829/2019 dt. 17.11.2021	2021-22
28	A microtubule centric approach to tackling Chemotherapy-Induced Peripheral Neuropathy - Wellcome Trust / DBT India Alliance	30721584	GAP/Wellcome Trust/BIO-21-584	Wellcome Trust - DBT India Alliance - Other	Dr. Aurnab Ghose	IA/TSG/20/1/600137 dt. 29.10.2021	2021-22
29	Phase behavior and rheology of active colloidal rotor	30121589	GAP/SERB/PHY-21-589	SERB	Dr. Apratim Chatterji & Dr. VijayaKumar Chikkadi	CRG/2021/007824 dt. 12.03.2021	2021-22
30	Synthesis of new hybrid bidentate SINP ligands and their application in homogeneous catalysis	30121592	GAP/SERB/CHE-21-592	SERB	Dr. Shabana Khan	CRG/2021/000395 dt. 22.03.2022	2021-22
31	The structural and functional annotations of biological networks with special emphasis on Mycobacterium tuberculosis - BIC at IISER Pune	30821593	GAP/DBT/BIO-21-593	DBT	Dr. M. S. Madhusudhan (Coordinator & PI), Dr. Chaitanya Athale (PI), Dr. Saikrishnan Kayrat (PI), Dr. Pranay Goel (Co-PI), Dr. Sanjeev Galande (Co-PI)	BT/PR40262/BTIS/137/38/2022 dt. 11.03.2022	2021-22
32	Viability and scope of oxazole and thiazole based Ionic Liquids as CO2 capture systems a theoretical study	30122595	GAP/DST/WOS-A/CHE-22-595	DST (WOS-A)	Dr. Uttama Mukherjee	SR/WOS-A/CS-3/2020 dt. 29.03.2022	2022-23
33	Investigating novel mitochondrial fission pathways in organelle quality control	30122597	GAP/SERB/BIO-22-597	SERB	Dr. Thomas Pucadyil	SPR/2021/000146 dt. 13.05.2022	2022-23
34	Going Global Partnerships 2021-22 : Collaboration between IISER Pune, India and University of Glasgow, UK	31722598	GAP/BC/PHY-22/598	British Council	Dr. Aparna Deshpande	letter dt. 15.12.2021	2022-23
35	Co-ordination between stem cell activation, cell division and transdifferentiation guiding the reunion of disconnected tissues: Dissecting the fundamental principles of a phenomenon previously unknown in plant.	30122601	GAP/SERB/BIO-22-601	SERB	Dr. Kalika Prasad & Dr. Anjan Kumar Banerjee	SPR/2021/000109 dt. 27.06.2022	2022-23
36	Raja Ramanna Fellowship to Prof. Srinivasan Ramakrishnan	30922603	GAP/DAE/PHY-22-603	DAE-Others	Prof. Srinivasan Ramakrishnan	1003/2/2022/RRF/R&D-IL/10702 dt. 17.08.2022	2022-23
37	J C Bose Fellowship for Prof Jayant Udgaonkar	31522604	GAP/SERB/CHE-22-604	SERB	Prof. Jayant Udgaonkar	JBR/2021/000029 dt. 10.08.2022	2022-23
38	The roll of Api5 during breast morphogenesis	30122605	GAP/SERB/BIO-22-605	SERB	Dr. Mayurika Lahiri	SPG/2021/002661 dt. 10.08.2022	2022-23
39	Mechanisms controlling the positional memory of stem cell regeneration using Arabidopsis root tip resection as a model	30822607	GAP/DBT/BIO-22-607	DBT	Dr. Kalika Prasad	BT/PR41931/BRB/10/1964/2021 dt. 20.09.2022	2022-23
40	The role of DNA damage on cytoskeleton dynamics	30822608	GAP/DBT/BIO-22-608	DBT	Dr. Mayurika Lahiri (PI) & Dr. Aurnab Ghose (Co-PI)	BT/PR42717/BRB/10/1994/2021 dt. 26.10.2022	2022-23
41	SERB-POWER Fellowship to Dr. Moumita Majumdar	30122609	GAP/SERB/CHE-22-609	SERB	Dr. Moumita Majumdar	SPF/2022/000046 DT. 27.10.2022	2022-23
42	Teachers Associateship for Research Excellence (TARE)	30122611	GAP/SERB/PHY-22-611	SERB	Dr. Smita Chaturvedi (Mentor - Dr. Surjeet Singh)	TAR/2022/000621 dt. 18.11.2022	2022-23
43	National Network Project of CSIR-National Chemical Laboratory	30822612	GAP/DBT/BIO-22-612	DBT	Dr. Girish Ratnaparkhi	BT/PR40123/BTIS/137/47/2022 dt. 29.08.2022	2022-23
44	Probing structural polymorphism and recognition of non-canonical nucleic acid motifs of human and viral genomes	30122613	GAP/SERB/CHE-22-613	SERB	Dr. S G Srivatsan	CRG/2022/000284 dt. 19.12.2022	2022-23
45	Development of self-assembled Synthetic Water Channels as Biomimetic Membranes for Water Desalination	30122614	GAP/SERB/CHE-22-614	SERB	Dr. Pinaki Talukdar	CRG/2022/001640 dt. 21.12.2022	2022-23
46	Chiral Hybrid Perovskite Semiconductor	30122615	GAP/SERB/CHE-22-615	SERB	Dr. Angshuman Nag	CRG/2022/001199 dt. 21.12.2022	2022-23
47	Mechanism of chromosome mis-segregation due to meiotic recombination at centromeres	30822616	GAP/DBT/BIO-22-616	DBT	Dr. Mridula Nambiar	BT/PR44595/MED/12/953/2022 dt. 26.12.2022	2022-23
48	Design and Synthesis of Functional Ionic MOFs (IMOFs) for Industrially Relevant Light Hydrocarbons Separation	30122617	GAP/SERB/CHE-22-617	SERB	Dr. Sujit Kumar Ghosh	CRG/2022/001090 dt. 21.12.2022	2022-23

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49	Doubly Dipolar Bose-Einstein Condensates-Matrix	30122618	GAP/SERB/PHY-22-618	SERB-Matrix	Dr. Rejish Nath	MTR/2022/000454 dt. 26.12.2022	2022-23
50	Structural and biochemical characterization of protein complexes in myxococcus xanthus polarity regulation	33822620	GAP/IGSTC/BIO-22-620	IGSTC	Dr. Gayathri Pananghat	IGSTC/WISER 2022/GP/43/2022-23/511 dt. 06.01.2023	2022-23
51	INSPIRE Faculty Award - Dr.Chandranandan Gangopadhyay	31822622	GAP/DST-INSPIRE-22-622	DST-INSPIRE	Dr.Chandranandan Gangopadhyay	DST / INSPIRE /04/2021/000043 dt. 05.07.2022	2022-23
52	Teachers Associateship for Research Excellence (TARE)	30122623	GAP/SERB/BIO-22-623	SERB	Dr. Smita Vishal Deore (Mentor - Dr. Sudha Rajamani)	TAR/2022/000112 dt. 16.01.2023	2022-23
53	Understanding correlated electronic phases in vanadium based kagome systems	30122624	GAP/SERB/PHY-22-624	SERB	Dr. Aparna Deshpande	CRG/2022/008392 dt. 20.01.2023	2022-23
54	Valley-contrasting resonances and Fermi-edge singularities in gated 2D semiconductors using high-precision magneto-optical spectroscopy	30122625	GAP/SERB/PHY-22-625	SERB	Dr. Ashish Arora	CRG/2022/007008 dt. 25.01.2023	2022-23
55	Understanding the Genesis Mechanisms of Monsoon Low Pressure Systems	33022626	GAP/MoES/ECS-22-626	MoES	Dr. Suhas Ettammal	MoES/16/01/2021-RDESS dt. 09.11.2022	2022-23
56	Interferometer based Atomic Force Microscope for viscoelasticity of single folded macromolecules	30122628	GAP/SERB/PHY-22-628	SERB	Dr. Shivprasad Patil	CRG/2022/001891 dt. 02.02.2023	2022-23
57	Acoustic spin pumping in Quantum Materials	30122629	GAP/SERB/PHY-22-629	SERB	Dr. Sunil Nair	CRG/2022/003316 dt. 02.02.2023	2022-23
58	Indian Participation in the CMS Experiment at CERN : Maintenance, Operation and Upgradation	30122630	GAP/DST/PHY-22-630	DST	Dr. Seema Sharma	SR/MF/PS-01/2021-IISERP (G) dt. 10.02.2023	2022-23
59	Reconstructing past variability in monsoon and westerlies using the isotopic records of tree rings from the Himalayas	30122631	GAP/SERB/ECS-22-631	SERB	Dr. Shreyas Managave	CRG/2022/005854 dt. 20.02.2023	2022-23
60	Response of shallow marine community to seaway closure: Insights from Oligo-Miocene WIP (Western Indian Province) fauna using comparative paleobiogeography and paleocommunity analyses.	30122633	GAP/SERB/ECS-22-633	SERB	Dr. Devapriya Chattopadhyay	CRG/2022/001658-C dt. 03.03.2023	2022-23
61	Orbital-controlled Design of the Heavier Group 15 and Group 14 Main Group Cations in their Low-oxidation States for Catalysis	30122634	GAP/SERB/CHE-22-634	SERB	Dr. Moumita Majumdar	CRG/2022/000673 dt. 01.03.2023	2022-23
62	Consortium for Collective and Engineered Phenomena in Topology Concept	30122635	GAP/DST/CHE-22-635	DST	Dr. Pankaj Mandal	DST/NM/TUE/QM-10/2019 (C)/4 dt. 06.03.2023	2022-23
63	Insight into structural deformation, fluid migration patterns, and gas hydrate accumulation within deep water fold-and-thrust belts from 3D seismic data offshore Krishna-Godavari Basin	30122636	GAP/SERB/ECS-22-636	SERB	Dr.Sudipta Sarkar	CRG/2022/006815 dt. 02.03.2023	2022-23
64	Wellcome Trust / DBT India Alliance - Dr. Richa Rikhy	30722637	GAP/Wellcome Trust/BIO-22-637	Wellcome Trust - DBT India Alliance- Other	Dr. Richa Rikhy	IA/S/22/1/506232 dt. 31.01.2023	2022-23
65	Analysis of polarity protein function in the formation of polygonal epithelial-like cells in embryogenesis	30823639	GAP/DBT/BIO-23-639	DBT	Dr. Richa Rikhy (PI) & Dr. Kundan Sengupta	BT/PR41445/BRB/10/1975/2021 dt. 24.03.2023	2023-24
66	Reclamation of degraded tribal agricultural lands using Western Ghat's actinorhizal shrub Elaeagnus conferta Roxb	33823640	GAP/RGSTC/BIO-23-640	RGSTC	Dr. Sagar Pandit	RGSTC/File-2022/DPP-290/CR-64/135 dt. 21.04.2023	2023-24
67	Differential Central Simple Algebra and Differential Splitting	30923641	GAP/DAE/MTH-23-641	DAE-NBHM	Dr. Anupam Kumar Singh	02011/23/2023/NBHM(RP)/R&D II/5955 dt. 04.05.2023	2023-24
68	SERB-POWER Fellowship to Dr. Srabanti Chaudhury	30123643	GAP/SERB/CHE-23-643	SERB	Dr. Srabanti Chaudhury	SPF/2022/000155 dt. 13.06.2023	2023-24
69	Cell-matrix adhesion-dependent Golgi organisation: Regulation and role in normal and anchorage-independent cancers	30123644	GAP/SERB/BIO-23-644	SERB	Dr. Nagaraj Balasubramanian	CRG/2022/001813 dt. 14.06.2023	2023-24
70	Reconstitution of a soluble bacterial chemosensory complex	31223647	GAP/SERB/BIO-23-647	SERB	Dr. Gayathri Pananghat	CRG/2022/006161 dt. 28.06.2023	2023-24
71	Exploring Novel Interface effects in Transition Metal Oxides / Carbon nanotubes based Hybrids	31223648	GAP/SERB/PHY-23-648	SERB	Dr. Ashna Bajpai	CRG/2022/008373 dt. 18.07.2023	2023-24

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72	Hecke algebras for tame Bernstein blocks	31223649	GAP/SERB/MTH-23-649	SERB	Dr. Manish Kumar Mishra	CRG/2022/000415 dt. 25.07.2023	2023-24
73	Upgradation of 500 MHz Bruker NMR Spectrometer	33823650	GAP/I-HUB/PHY-23-650	I-HUB Quantum Technology Foundation	Dr. T. S. Mahesh	I-HUB/TD/NMR/2023-24/01 dt. 08.08.2023	2023-24
74	2023 and 2024 Computational Approaches to Memory and Plasticity	33823652	GAP/SF/BIO-23-652	Simons Foundation INC	Dr. Collins Assisi	Award ID No. NC-CONF-00003037	2023-24
75	Wellcome Trust / DBT India Alliance - Dr. Nixon Abraham	30723654	GAP/Wellcome Trust/BIO-23-654	Wellcome Trust - DBT India Alliance - Other	Dr. Nixon Abraham	IA/S/22/2/506517 dt. 01.09.2023	2023-24
76	Architecture and Dynamics of Magma reservoir in Deccan Volcanic Province: Seismological-Geochemical synthesis	31223655	GAP/SERB/ECS-23-655	SERB	Dr. Arjun Datta	CRG/2022/003603 dt. 22.08.2023	2023-24
77	Quantum-enhanced atomic gravimetry for improved sensing capabilities	30123656	GAP/DST/PHY-23-656	DST	Dr. Sebastian Wuster (PI) & Dr. Umakant Rapol (Co-PI)	DST/INT/AUS/P-84/2022 (C) dt. 05.01.2023	2023-24
78	Understanding the plasticity of diverse cohesin complexes during mitosis and meiosis	31223657	GAP/SERB/BIO-23-657	SERB	Dr. Mridula Nambiar	SPG/2022/00881 dt. 03.10.2023	2023-24
79	INSPIRE Faculty Award - Dr. Ushasi Roy	31823658	GAP/DST-INSPIRE/PHY-23-658	DST	Dr. Ushasi Roy	DST/INSPIRE/04/2022/003052 dt. 27.02.2023	2023-24
80	MoE STARS - Single-cell quantitation of mRNA and protein expression of antigenic variation genes and tissue tropism characterization in Plasmodium falciparum	32523659	GAP/MoE-STARS/BIO-23-659	MoE-STARS	Dr. Krishanpal Karmodiya	MoE-STARS/STARS-2/2023-0249 dt. 26.09.2023	2023-24
81	MoE STARS - Towards exciton-based valleytronic technologies using 2D semiconductor/magnet heterostructures: high-performance magneto-optics and magneto-ellipsometry investigations	32523660	GAP/MoE-STARS/PHY-23-660	MoE-STARS	Dr. Ashish Arora	MoE-STARS/STARS-2/2023-0912 dt.	2023-24
82	Understanding and modeling the interactions between Debris and glacier Ice in a Changing Climate (D-ICE)	33023661	GAP/MoES/ECS-23-661	MoES	Dr. Argha Banerjee	MoES/INDO-SWISS/4/2022-PC-I dt. 09.10.2023	2023-24
83	Nature's preference for heterobimetallic cofactors: Investigation of the structure-function-reactivity relationship using synthetic mimics	31823663	GAP/SERB/CHE-23-663	SERB	Dr. Debangsu Sil	SRG/2023/000773 dt. 16.10.2023	2023-24
84	MoE STARS - Nonequilibrium self-assembly of colloidal particles in living fluids	32523664	GAP/MoE-STARS/PHY-23-664	MoE-STARS	Dr. Vijayakumar Chikkadi	MoE-STARS/STARS-2/2023-0909 dt. 26.09.2023	2023-24
85	MoE STARS - Mechanistic investigations into the minimal cell division machinery of cell wall less bacteria	32523665	GAP/MoE-STARS/BIO-23-665	MoE-STARS	Dr. Gayathri Pananghat	MoE-STARS/STARS-2/2023-1015 dt. 26.09.2023	2023-24
86	MoE STARS - Novel Aggregation Induced Thermally Activated Delayed Fluorescent (AIE-DF) Organic Luminogens for Time-resolved Fluorescence Imaging and Efficient OLED Device Fabrication	32523666	GAP/MoE-STARS/CHE-23-666	MoE-STARS	Dr. Partha Hazra	MoE-STARS/STARS-2/2023-0313 dt. 26.09.2023	2023-24
87	Studies on continuous-flow photochemical cyclopropanation towards permethrin derivatives	30523667	GAP/CSIR/CHE-23-667	CSIR	Dr. Gnanaprakasam Boopathy	02/0462/23/EMR-II dt. 07.07.2023	2023-24
88	AOARD 23IOA054 - Optothermal Tweezer Microscopy of Light -absorbing Colloids	32123668	GAP/AOARD/PHY-23-668	AOARD	Dr. G V Pavan Kumar	FA2386-23-1-4054 dt. 30.09.2023	2023-24
89	Plasmonic Nanoparticles and Triplet state engineering for the emission enhancement of luminescent Cu Nanoclusters A Step towards the Development of Stable and Efficient Light Harvesting Devices	30523669	GAP/CSIR/CHE-23-669	CSIR	Dr. Partha Hazra	01/3091/23/EMR-II dt. 08.07.2023	2023-24
90	Functionalized Metal-Organic Polyhedra (MOPs) for Industrially Relevant Hydrocarbon Separation	30523670	GAP/CSIR/CHE-23-670	CSIR	Dr. Sujit Kumar Ghosh	01/3124/23/EMR-II dt. 08.07.2023	2023-24
91	Multidisciplinary approach for design and development of novel ionchannel inhibitors for cancer therapy	30823673	GAP/DBT/CHE-23-673	DBT	Dr. Hosahudya Gopi	BT/PR44709/MED/30/2416/2022 dt. 10.10.2023	2023-24
92	MoE STARS - Photochemistry with Plasmonic Materials : Taking the Heat Out of Plasmons for Translational Chemical Transformations	32523674	GAP/MoE-STARS/CHE-23-674	MoE-STARS	Dr. Pramod Pillai	MoE-STARS/STARS-2/2023-0195 dt. 03.10.2023	2023-24

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93	Post translational modifier SUMO regulates development of Primordial Germ Cells in <i>Drosophila</i>	34223675	GAP/SPARC/BIO-23-675	SPARC	Dr. Girish Ratnaparkhi (Indian PI), Prof. LS Shashidhara (Indina Co-PI), Dr. Girish Deshpande (International PI), Prof. Paul Schedul (International Co-PI)	SPARC/2019-2020/P1587/SL dt. 28.07.2023	2023-24
94	Structural analysis of coiled domains involved in motility	34223676	GAP/SPARC/BIO-23-676	SPARC	Dr. Gayathri Pananghat (Indian PI), Dr. J Venkatesh Pratap, (Indina Co-PI), Prof. Ben F Luisi (International PI), Prof. Chris R Calladine (International Co-PI)	SPARC/2019-2020/P2071/SL dt. 28.07.2023	2023-24
95	A Knowledgebase of molecular interactions in Mycobacterium-National Network Project of IISER, Pune	30823677	GAP/DBT/BIO-23-677	DBT	Dr. M S Madhusudhan	BT/PR40323/BTIS/137/78/2023 dt. 11.10.2023	2023-24
96	Unravelling the metabolic nexus in the granulosa cells of women with PCOS	34023678	GAP/ICMR/CHE-23-678	ICMR	Dr. Jeetender Chugh	R.11015/14/2023-GIA/HR dt. 28.11.2023	2023-24
97	Nuclear lamins as mechanomodulators of chemoresistance	32523679	GAP/MoE-STARs/BIO-23-679	MoE-STARs	Dr. Kundan Sengupta	MoE-STARs/STARs-2/2023-0603 dt. 26.09.2023	2023-24
98	Valorization of mangrove species for the livelihood improvement of the mangrove-associated local communities via sustainable utilization	34323680	GAP/MMRDA/BIO-23-680	MMRDA	Dr. Sagar Pandit	MMRDA/MTHL/CRZ Compliance /ENV/2251/2023 dt. 05.09.2023	2023-24
99	MoE STARs - Synthesis of sustained-releasing rifampicin crystalline formulation for patient compliant treatment of tuberculosis	32523681	GAP/MoE-STARs/CHE-23-681	MoE-STARs	Dr. Harinath Chakrapani	MoE-STARs/STARs-2/2023-0329 dt. 26.09.2023	2023-24
100	Raja Ramanna Chair (Track 1)	30923682	GAP/DAE/PHY-23-682	DAE - Others	Dr. Sunil Mukhi	1003/7/2023/R&D/II/DAE/6465 dt. 16.05.2023	2023-24
101	Wellcome Trust / DBT India Alliance - Dr. Thomas Pucadyil	30723683	GAP/Wellcome Trust/BIO-23-683	Wellcome Trust - DBT India Alliance - Other	Dr. Thomas Pucadyil	IA/TSG/21/1/600245 dt. 22.12.2022	2023-24
102	Bioprospecting and pollution tolerance capacity analysis of mangrove species for the livelihood improvement of the mangrove-associated local communities via sustainable utilization and conservation	34423684	GAP/MSRDC/BIO-23-684	MSRDC	Dr. Sagar Pandit	VBSL-2023/02/DE-SNN/C.R.No.19B/ENGG.7227 dt. 22.11.2023	2023-24
103	Studies on Continuous Flow Domino Borrowing Alkylation Strategy towards Heterocycles and Alkaloids	30123685	GAP/SERB/CHE-23-685	SERB	Dr. Gnanaprakasam Boopathy	CRG/2023/002452 dt. 18.01.2024	2023-24
104	Wellcome Trust / DBT India Alliance - Dr. Mridula Nambiar	30723686	GAP/Wellcome Trust/BIO-23-686	Wellcome Trust - DBT India Alliance - Other	Dr. Mridula Nambiar	IA/I/23/1/506752 dt. 01.01.2024	2023-24
105	Wellcome Trust / DBT India Alliance - Dr. Gayathri Pananghat	30723687	GAP/Wellcome Trust/BIO-23-687	Wellcome Trust - DBT India Alliance	Dr. Gayathri Pananghat	IA/S/23/1/506755 dt. 01.01.2024	2023-24
106	Characterizing the sensitivity of Indian forests to droughts and extreme temperatures using functional traits	30823688	GAP/DBT/BIO-23-688	DBT	Dr. Deepak Barua	BT/PR39525/FCB/125/85/2020 dt. 08.12.2023	2023-24
107	Probing the energy landscape of RNA aptamers using ¹⁹ F NMR spectroscopy	30123689	GAP/SERB/CHE-23-689	SERB	Dr. Jeetender Chugh & Dr. S G Srivatsan	CRG/2023/002931 dt. 22.01.2024	2023-24
108	Novel Signatures of Self-Interacting Dark Matter : Simulations of gravothermal collapse and baryonic modelling	30123690	GAP/SERB/PHY-23-690	SERB	Dr. Susmita Adhikari	SRG/2023/001563 dt. 22.01.2024	2023-24
109	Extracting cosmological information beyond 2-point correlations: application of k-Nearest Neighbor distributions to nonlinear structure formation	30123691	GAP/SERB/PHY-23-691	SERB	Dr. Arka Banerjee	SRG/2023/000378 dt. 22.01.2024	2023-24
110	Stochastic resonance in the brain's GPS. How it helps encode and remember our trajectories through space	30123692	GAP/SERB/BIO-23-692	SERB	Dr. Collins Assisi	MTR/2023/000703 dt. 23.01.2024	2023-24
111	Lightening Arylidene Diazosuccinimides: Photoinduced Generation of Carbenes and Radicals to access Pyromellitic Diimide (PMDI) based Luminophors and Bioactive Organic Compounds	30123693	GAP/SERB/CHE-23-693	SERB	Dr. Ramakrishna G. Bhat	CRG/2023/004226 dt. 25.01.2024	2023-24
112	Designer Small Molecule-based Ferro-and Piezoelectric Materials for Nanogenerators and Field-Effect Transistors	30123694	GAP/SERB/CHE-23-694	SERB	Prof. R. Boomi Shankar	CRG/2023/000582 dt. 25.01.2024	2023-24
113	Photocatalysis Beyond the Band Gap: Accessing the Higher Redox Levels in Quantum Dots Using Light and Potential	30123695	GAP/SERB/CHE-23-695	SERB	Dr. Pramod P. Pillai	CRG/2023/001711 dt. 25.01.2024	2023-24

DETAILS OUTLAY OF SPONSORED PROJECTS - IISER- PUNE

SR. NO.	NAME OF PROJECT	DIGITAL CODE	PROJECT CODE	FUNDING AGENCY	PROJECT LEADER	SANCTION NO./DATE	SANCTION YEAR
114	Structurally-consistent model parameter estimation in inverse modeling of EM data	30123696	GAP/SERB/ECS-23-696	SERB	Dr. Rahul Dehiya	MTR/2023/001080 dt. 01.02.2024	2023-24
115	AQUAMUSE : Facilitating just and sustainable water futures through water museums, digital media and the arts	33823697	GAP/IHE/HSS-23-697	Stichting IHE Delft	Prof. Shalini Sharma & Dr. Sara Ahmed	Agreement dt. 05.01.2024	2023-24
116	Synthesis and Evaluation of Organic Modulators of Cellular Sulfane Sulfur	30123698	GAP/SERB/CHE-23-698	SERB	Dr. Harinath Chakrapani	CRG/2023/003892 dt. 19.02.2024	2023-24
117	Design, Synthesis and Evaluation of Redox and Magnetic properties of 25-radicals for Organic Radical Batteries	30123699	GAP/SERB/CHE-23-699	SERB	Dr. V. G. Anand	CRG/2023/001861 dt. 19.02.2024	2023-24
118	Bioinformatics-guided enzyme engineering to modulate lower ligand activation and attachment for the production of cobalamin and other cobamide vitamins	30123700	GAP/SERB/CHE-23-700	SERB	Dr. Amrita Hazra	CRG/2023/002565 dt. 19.02.2024	2023-24
119	Cytoskeletal and membrane adaptations of stretched neurons from tension-induced growth to traumatic brain injury	30123701	GAP/DST/BIO-23-701	DST	Dr. Aurnab Ghose	DST/INT/Portugal/P-04/2021 (G) dt. 12.07.2023	2023-24
120	MMTTP (erstwhile PMMMNMTT) towards Malaviya Mission - Teachers Training Programme	30223702	GAP/UGC/CHE-23-702	UGC	Dr. Harinath Chakrapani	1-50/2023(MM-TTP) dt. 05.01.2024	2023-24
121	Improving short-to-medium range extreme precipitation forecasts with Climate Networks and hybrid physics-ML convection parameterization	33823703	GAP/IITM/ECS-23-703	IITM	Dr. Joy Monteiro	IITM/MM-III/2023/IND-4/Revised Sanction Order dt. 01.01.2024	2023-24
122	Development of medicinal plant propagation facility, standardization of propagation and analysis protocols	33823704	GAP/CS/BIO-23-704	Chikitsak Samuha	Dr. Sagar Pandit	MoU dt. 15.03.2024	2023-24
123	Disruption of brain rhythms as an early marker of Alzheimer's disease: A multiscale computational modeling approach	33823705	GAP/PT-EMSTAR/BIO-23-705	Pratiksha Trust (EMSTAR grant)	Dr. Suhita Nadkarni	EMSTAR/2023/SL04 dt. 31.01.2024	2023-24
124	VAPB at membrane contact sites: ALS-FTD at the crossroads of ER stress, proteostasis, lipid homeostasis and inflammation	33823706	GAP/PT-EMSTAR/BIO-23-706	Pratiksha Trust (EMSTAR grant)	Dr. Girish Ratnaparkhi	EMSTAR/2023/SL03 dt. 31.01.2024	2023-24
125	Mapping the Social History of Sugar Manufacturing: A Case Study of Haregaon	33823707	GAP/ICSSR/HSS-23-707	ICSSR	Dr. Chaitra Redkar	ICSSR/RPD/MN/2023-24/G/139 dt. 15.02.2024	2023-24
126	Structural biology of macromolecular assemblies associated with cell division in a cell wall-less bacterium spiroplasma	30823708	GAP/DBT/BIO-23-708	DBT	Dr. Gayathri Pananghat	HRD-20/7/2024-HRD-DBT dt. 11.03.2024	2023-24
127	Normative baseline characterization of body composition and metabolic parameters to assess growth and development in children: A multi-site study on the impact of malnutrition	34024709	GAP/ICMR/BIO-24-709	ICMR	Dr. Siddhesh Kamat	EMDR/CARE/12/2023-0000597 dt. 21.02.2024	2024-25
128	Developing affordable diagnostic tests to detect HER2/ERBB2 copy numbers in Indian breast cancer patients	30824710	GAP/DBT/BIO-24-710	DBT	Dr. Kundan Sengupta	BT/PR49745/MED/32/925/2023 dt. 31.01.2024	2024-25
129	Investigation of the MJO modulation of tropical synoptic scale variability and equatorial waves	30124711	GAP/SERB/ECS-24-711	SERB	Dr. Suhas Ettammal	CRG/2023/002791 dt. 08.05.24	2024-25
130	Characterization of a novel α/β Hydrolase protein in Plasmodium falciparum and understanding its role in Artemisinin Resistance	30124712	GAP/SERB/BIO-24-712	SERB	Dr. Krishanpal Karmodiya	CRG/2023/001838 dt. 22.05.2024	2024-25
131	Implications of membrane heterogeneity for the emergence and evolution of early cellular life	30824713	GAP/DBT/BIO-24-713	DBT	Dr. Sudha Rajamani	BT/PR43193/BRB/10/2006/2021 dt. 17.05.2024	2024-25
132	Deciphering the Cosmological Bootstrap	30124714	GAP/SERB/PHY-24-714	SERB	Dr. Diptimoy Ghosh	CRG/2023/001448 dt. 24.05.2024	2024-25
133	Mineralogy, Geochemisry, Depositional Settings, and Genesis of Mesoproterozoic Fe Formation IF from the Kaladgi Basin	30124715	GAP/DST-WISE-PDF/ECS-24-715	DST (WISE KIRAN)	Dr. Shilpa Patil Pillai	DST/WISE-PDF/EA-30/2023 dt. 24.05.2024	2024-25
134	Study of non-equilibrium open quantum systems beyond Markovian and weak-coupling regime: Method development and application to quantum devices	30124716	GAP/SERB/PHY-24-716	SERB	Dr. Bijay Kumar Agarwalla	CRG/2023/003377 dt. 28.05.2024	2024-25
135	Development of β -Sheet Polypeptide Block Copolymers for Drug Delivery in Cancer	30124717	GAP/SERB/CHE-24-717	SERB	Prof. M. Jayakannan	CRG/2023/000894 dt. 30.05.2024	2024-25

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SR. NO.	NAME OF PROJECT	DIGITAL CODE	PROJECT CODE	FUNDING AGENCY	PROJECT LEADER	SANCTION NO./DATE	SANCTION YEAR
136	Development of two-dimensional spintronic nanosheets using high-temperature antiferromagnetic oxides with honeycomb lattices	30124718	GAP/DST/PHY-23-718	DST	Dr. Sunil Nair	DST/INT/JSPP/P-365/2023 dt. 06.12.2023	2023-24
137	Understanding the Mechanism of SARS-CoV-2 RNA Replication Initiation and Proofreading for Therapeutics	32524719	GAP/MoE-STARs/BIO-24-719	MoE-STARs	Dr. Saikrishnan Kayarat	MoE-STARs/STARs-2/2023-0966 dt. 25.06.2024	2024-25
138	Fermi-edge singularities and magnetic proximity effects in van der Waals heterostructures	31424720	GAP/IFCEPIRA/PHY-24-720	IFCPAR-CEPIRA	Dr. Ashish Arora	IFC/7104-2/2024 dt. 10.04.2024	2024-25
139	Molecular mechanism of resistance to PC190723 and targeting the essential cell division protein FTSZ of helicobacter pylori and pseudomonas aeruginosa	30824721	GAP/DBT/BIO-24-721	DBT	Dr. Gayathri Pananghat, PI & Dr. Saikrishnan Kayarat, Co-PI	BT/PR42977/MED/29/1603/2022 dt. 24.05.2024	2024-25
140	A data-driven machine learning approach to dynamical balance in the tropical and extra-tropical climate and extreme weather events	30124722	GAP/DST/ECS-24-722	DST	Dr. Joy Merwin Monterio, Co-PI & Prof. Jai Suhas Sukhatme - PI, from IISc Bangalore	DST/INT/ISR/P-40/2023 dt. 22.04.2024	2024-25
141	Comprehensive analysis of homocysteine induced neutrophil extracellular traps: implications in pathogenesis of sepsis	31424723	GAP/IFCEPIRA/CHE-24-723	IFCPAR-CEPIRA	Dr. Harinath Chakrapani, Co-PI & Dr. Manjunath B. Joshi - PI	IFC/A/7103-5/2024/542 dt. 02.08.2024	2024-25
142	Bhopal living (digital) archive: The World's Worst Industrial Disaster in History	33824724	GAP/ITI/HSS-24-724	Indian Institute of Technology Indore (ITI)	Dr. Shalini Sharma	ITI/JPNC/PRJ/2024/34/P014 dt. 05.07.2024	2024-25
143	INSA Senior Scientist : Prof. Shyam Sundar Rai	32324725	GAP/INSA/ECS-24-725	INSA	Prof. Shyam Sundar Rai	INSA/SP/SS/2024 dt. 01.07.24	2024-25
144	Vaishvik Bharatiya Vaigyanik (VAIBHAV) fellowship to Dr. Ashish Arora	30124726	GAP/DST/PHY-24-726	DST	Dr. Ashish Arora	INAE/DST-VF/2024/I/03 dt. 14.10.24	2024-25
145	Small-scale statistics for equidistributed sequences in mesoscopic regimes	30124727	GAP/SERB/MATHS-24-727	SERB	Dr. Kaneenika Sinha	CRG/2023/001743 dt. 04.10.24	2024-25
146	IACR - IISER Poster Awards	33824728	GAP/IACR/BIO-24-728	IACR	Dr. Mayurika Lahiri		2024-25
147	INSPIRE Faculty Award - Dr. Tresa Mary Thomas	31824729	GAP/DST-INSPIRE/ECS-24-729	DST INSPIRE	Dr. Tresa Mary Thomas	DST/INSPIRE/IFF/BATCH-20/2024-25/IFA 23-EAS 124 dt. 10.10.2024	2024-25
148	Decoding neural circuits coupling feeding states with anxiety and fear: adaptive modulation by hypothalamic CART neurons	30824730	GAP/DBT/BIO-24-730	DBT	Dr. Aurnab Ghose, PI & Dr. Mayurika Lahiri, Co-PI	BT/PR53899/BMS/85/263/2024 dt. 28.10.2024	2024-25
149	INSPIRE Faculty Fellowship - Dr. Ajay Kumar	31824731	GAP/DST-INSPIRE/ECS-24-731	DST INSPIRE	Dr. Ajay Kumar	DST/INSPIRE/04/2023/000344 dt. 22.03.2024	2024-25
150	Parameterization of dynamical systems using data - a mathematical approach	30124732	GAP/SERB/DS-24-732	SERB	Dr. Amit Apte	SPR/2023/000324 dt. 17.12.2024	2024-25
151	Noncovalent Catalysis and Ligand design for Borylation of Small Organic Molecules	30124733	GAP/SERB/CHE-24-733	SERB	Dr. Buddhadeb Chattopadhyay	CRG/2022/002733 dt. 27.12.2022	2024-25
152	EMBO - The Global Investigator	33824734	GAP/EMBO/BIO-24-734	EMBO (The European Molecular Biology Organization)	Dr. Krishanpal Karmodiya	Letter dt. 23.12.2024	2024-25
153	Quantum Materials & Devices	30124735	GAP/DST/PHY-24-735	DST	Dr. Ashish Arora	DST/QTC/NQM/QMD/2024/4 (G) dt. 12.02.2025	2024-25
154	Quantum Computing	30124736	GAP/DST/PHY-24-736	DST	Dr. Umakant Rapol & Rejish Nath	DST/QTC/NQM/QC/2024/1 (G) dt. 11.02.2025	2024-25
155	CARE: Communicating Action and Resilience for Environmental Health in India	33824737	GAP/HCW/HS-24-737	HCWH (Health Care Without Harm)	Dr. Shalini Sharma	Agreement dt. 15.02.2025	2024-25