

RESEARCH & DEVELOPMENT CELL
Jamia Hamdard, Hamdard Nagar, New Delhi 110062

List of Ongoing Projects, 2025

(SCHOOL-WISE)

S. No.	File No.	Name of the Faculty/PIs	School/ Department	Title of the project	Name of the funding agency/ research scheme	Year of completion/Duration	Amount sanctioned in Rs.
School of Life Science & Chemical Research (SCLS)							
1	5/4-5/3/14/Neuro/2022-NCD-I(E-office-162909)	Prof. Suhel Parvez	SCLS/Toxicology	Deciphering the mechanistic role fo Ephrin-Eph signalin pathways targeting Ischemic Stroke Model: An appraisal for the Development of Neuro-therapeutics	ICMR	01.07,2025 to 30.06.2026	15,06,308-00 Third Year Grant
2	DDR/IIRPSG-2025/05968 dt. 15.01.2026	Dr. Nidhi	SCLS/DTCR	Pharmacological Targeting and Mechanistic Crosstalk Between Behavioural Aspects and Cerebral Neuroinflammation in Autism Spectrum disorder	ICMR	One Year 30.01.2026 to 29.01.2027	18,79,280-00
3	CRG/2023/00733 6 dated 20.06.2024	Dr. Syed Shafi & Dr. Sayeedur Rehman	SCLS/Chemistry & Biochemistry	Development of capsaicin-based VEGF inhibitors as novel anticancer agents	SERB	03 Yr., w.e.f. 20.06.2024 to 19.06.2027	38,83,902-00
4	Emdr/ig/17/204-01-00891 DATED 07.01.2025	Prof. Shakir Ali	SCLS/ Biochemistry	Boron based theraperutics against RNA viruses and associated post-infection arthritis in Chikungunya infection – a preclinical evaluation	ICMR	03 Yr., w.e.f. 07.01.2025 to 06.01.2028	1,32,78,228-00
5	F.No.5/9/1425/20 22Nut	Dr. Humaira Farooqui	SCLS/ Biotechnology	Macrotyloma uniflorum, an underutilized pulse as a nutraceutical – in vivo and in silico approach	ICMR	03 Yr., w.e.f. 15.02.2023 to 14.02.2026	39,50,639/-

6	ISRM/12/(11)/2022 dated 06.02.2023	Dr. Nidhi	SCLS/CTCR	In silico and in vivo exploration of physostigmine analogues to understand mechanistic crosstalk between klothos and targets for epilepsy	ICMR	03 Years w.e.f. 01.03.2023 to 29.02.2026	Rs.7,22,613 for one year Total Rs.21,67,839/-
7	DST/CSRI/2021/85(G)(WISE KIRAN) dated 30.03.2023	Prof. Suhel Parvez	SCLS/Toxicology	Targeting Memory Milestones Using In Vivo Electrophysiology and Bio-Signal Processing as Novel tools	DST	03 Years w.e.f. 30.03.2023 to 29.03.2026	Rs. 58,24,602/-
8	5/4-5/3/14/Neuro/2022-NCD-1 dated 09.03.2023	Prof. Suhel Parvez	SCLS/Toxicology	Deciphering the mechanistic role of Ephrin-Eph signaling pathways targeting ischemic Stroke Model: An appraisal for the development of Neuro-therapeutics	ICMR	03 Years w.e.f. 13.03.2023 to 12.03.2026	Rs.31,45,902/- First Year
9	DDR/IIRPSG2024.0107016/SG dt. 04.03.2025	Prof. Suhel Parvez	SCLS/Toxicology	Deciphering the cascade of memory impairment in Alzheimer's disease: Electrophysiological treading of neuronal path utilizing bio signal processing as a novel tool	ICMR	03 Yr., w.e.f.20.03.25 to 19.03.2028	50,95,957-00
10	R.12013/26/2025-HR	Prof. Suhel Parvez (Mentor) and Dr. Falaq Naz (PI)	SCLS/Toxicology	Effects of Istradefylline silver nanoparticles (IAgNP) on cognitive defects and the neurotoxicity induced by the expression of Human alpha synuclein in the transgenic Drosophila fly model of Parkinson's disease	DHR-ICMR	03 Yr., w.e.f. 18.09.2025 to 17.08.2028	61,31,630-00
11	DDR/IIRPSG-2025/05968 dt.15.01.2026	Dr. Nidhi	SCLS/CTCR	Pharmacological Targeting and Mechanistic Crosstalk Between Behavioural Aspects and Cerebral Neuro inflammation in Autism Spectrum Disorder	ICMR	03 Years 30.01.2026 to 29.01.2027	18,79,280-00 First Year.
12	ANRF/ARG/2025/007199/LS	Dr. M. Iqbal R. Khan	SCLS/Botany	Optimization of nitrogen use efficiency and yield traits through GABA-Ethylene crosstalk in the Indian wheat genotypes under salt stress	ANRF/ARG	w.e.f. 18.12.2025	23,00,000-00 Plus 80 Refrigerator – 1 and JRF-1
13	DDR-IIRPSG-24-NT-13dt. 18.02.2025	Dr.Mohan Kamthan (PI) and Dr. Sayeed ure REhman A. Kalam (Co-PI)	SCLS/Biochemistry	To evaluate the role of Wnt signaling pathway in dietary emulsifiers – induced IBD development: A therapeutic perspective	ICMR	3 Years w.e.f. 20.03.2025 to 19.03.2026	28,20,724-00 First Year

14	F.No.R.12013/13/2025-HR dt. 22.09.2025	Dr. Shadabi Bano (PI) & Dr. Sayeed ur Rehman (Mentor)	SCLS/ Biochemistry	Molecular profiling of novel alternatively spliced isoforms in ovarian cancer: towards understanding functional diversity and tumor progression	DHR (ICMR)	03 Years w.e.f. 22.09.	61,27,380-00
School of Pharmaceutical Education and Research (SPER)							
1	EMDR/SG/15/2024-01-04960 dt. 29.01.2025	Prof. Asif Husain	Pharmaceutical Chemistry	“Design, Computational studies and Synthesis of novel pyrazole derivatives as propitious agents and evaluating their biological efficacy against breast cancer”	ICMR	03 Year w.e.f 29.01.2025 to 28.01.2028	55,83,314-00
2	CRG/2022/007850 dated 21.02.2023 & 25.10.2023	Dr. Zeenat Iqbal	SPER/ Pharmaceutics	Fabrication and optimization of Minocycline nanofiber with incorporated biofilm disrupter as potential tool for periodontotherapy	SERB	03 years w.e.f. 25.10.2023 to 24.10.2026	44,88,957-00
3	CRG/2022/008271 dated 17.11.2023	Dr. Rikeshwer Prasad Dewangan	SPER/Pharmaceutical Chemistry	Synthesis and evaluation of novel amphiphilic conjugate of FDA approved non-steroidal anti-inflammatory drugs as potential antimicrobial against drug resistant pathogens	SERB	03 Years w.e.f. 17.11.2023 to 16.11.2026	37,71,054-00
4	EMDR/SG/11/2023-5527 DATED 20.12.2023	Prof. Gita Chawla	SPER/Pharmaceutical Chemistry	Development of New Quinoxaline based 2-Pyrazolines as Potent and Selective MAO-A Inhibitors: In silico Studies, Synthesis and Biological Evaluation	ICMR	03 Years w.e.f. 20.12.2023 to 19.12.2026	34,43,543-00 (First Year)
5	EMDR/SG/11/2023-1050 dt. 11.01.2024	Prof. Divya Vohora	SPER/ Pharmacology	Targeting APOIE-mediated pathways for clearance of B-Amyloid and inhibiting the self-assembly of Amyloid B-protein by Ganazolone in mutated APP-transfected SH-SY5Y neuroblastoma cells and mice model	ICMR	03 Years w.e.f. 11.01.2024 to 10.01.2027	44,14,043-00 (First Year)
6	F.No.3-20/2021-CCRUM dated 26.02.2024	Prof. Sayeed Ahmad	SPER/ Pharmacognosy & Phytochemistry	Development of Sugar free dosage forms, quality control and Pharmacological evaluation of Khamira Banafsha, Khamira abresham, Laooq-e-Sapistan, Sharbat Toot Siyag and Sharbat Zoofa against Covid-19 related disorders	CCRUM	02 Years w.e.f. 26.02.2024 to 25.02.2026	28,21,600-00

7	3-56/2022-CCRUM/Tech dated 30.09.2022	Prof. Farhan J. Ahmad	Phramaceutical	To perform Shelf Life Studies and Aniamal safety Studies of selected Unani Formulations as per ICH/OECD guidelines	CCRUM	03 Years 30.09.2022 to 29.09.2025	42,38,480-00
8	ISRM/12/(8)/2022	Dr. Ozair Alam	SPER/ Pharmaceutical Chemistry	Design, Computational studies, synthesis and biological evaluation of imidazo (1,5-a) imidazole, imidazo (1,2,-a) pyrazine and thiazolo(5,4-b)pyridine derivatives: Search for novel poten selective DPP4 Inhibitors for the treatment of type-II diabetes mellitus	ICMR	03 years w.e.f. 01.02.2023 to 31.01.2026	5,58,113- 00 Ist year
9	17X(3)Ad-hoc/10/2022-ITR dt. 23.12.2022	Dr. Bibhu Prasad Panda	SPER/ Pharmacognosy and Phytochemistry	Design & Development of Antithrombogenic small diameter electrospun vascular graft using indigenously developed nattokinase and serin	ICMR	03 years w.e.f. 20.01.2023 to 19.01.2026	31,26,902-00 Ist year
10	F.No.3-14/2021-CCRUM/Tech dated -3.04.2023	Dr. Zeenat Iqbal	SPER/ Pharmaceutics	Design, Development and Evaluation of Novel Immunomodulatory RTD (Ready to Dispense) Formulations UNIM 2020A and UNIM 2020B and UNIM 2020C	CCRUM	03 Years w.e.f. 03.04.2023 to 02.04.2026	32,42,400-00
11	17X(3)/Adhoc/66 /2022-ITR datd 23.12.2022 and dated 21.01.2025(Second Year)	Dr. Prashant Kesharwani	SPER/ Pharmaceutics	Cell death inducing targeted therapy enhanced by amphiphilic co-block polymeric nanoscale drug delivery tool for triple-negative breast cancer therapy	ICMR	03 Years w.e.f. 20.01.2023 to 19.01.2026	19,18,613-00 (First Year) 9,35,052- 00 (Second Year)
12	ANRF/ARG/2025/010958/LS dt 18.12.2025	Prof. Sayeed Ahmad	SPER/ Pharmacognosy and Phytochemistry	Exploration of Indian Medicinal Plants for Development of synergistic AYUSH-Based Anti-Urolithiatic Formulation	ANRF-ARG		21,00,000-00 Plus JRF-1 and Rotary Evapurator-1
School of Management and Business Studies (SMBS)							
1	F.No.41/2ndLSS/2025-1615-GOV/SCD dt. 19.08.2025	Dr. Asad Ahmad (PI) and Dr. Mohammed Jamshed (PD) & others	SMBS	Penetration and Effectiveness of Early Warning Systems (EWS) for Disaster Mitigation and their impact on Mental Health in High-Risk Regions and Large Gatherings in India	ICSSR	03 Years w.e.f. 19.08.2025	35,00,000-00

School of Nursing Education and Research (SNER)

1	R40192/1041641 /10133041	Ms. Seema Rani (Co-PI)	SNER/RCN	Examining the acceptance of the peripheral/ground level Community Health Workers (CHW) roles in rural and urban India and gaining insights into the challenges and/or solutions they faced, and their experiences during the COVID-19 pandemic. Exploring the potential application of CHWs in Nova Scotia	DALHOUSIE University, Canada	30.08.2024 to 29.05.2025	\$6,700-00
2	31.01.2025	Ms. Bindu Shaiju, Ms. Veena Sharma, Ms. Jamal Fatima and Ms. Neha John all Co PI	SNER/RCN	Exploring how nursing programs prepare entry-level nurses to provide mental healthcare: A multiple case study in India, Oman and Canada	DALHOUSIE University, Canada	01.11.2024 to 01.12.2026	\$21,931-40
3	15.08.2024	Dr. Anajali Kaushi, Ms. Saba Hashmi and Sartaj Parveen All CoPIs	SNER/RCN	A mixed- method exploration of the effect of simulation-based education to teach under graduate nursing students how to deliver psychologically safe equitable healthcare to marginalized populations	DALHOUSIE University, Canada	02 Years	\$29,911-00

School of Allied Health and Research (SAHR)

1	5/4- 5/5/Dis&Rehab/2 022-NCD-II dt. 26.11.2024	Dr. Deepika Singhla	SAHR/ Physiotherapy	Effect of Exercise on Heart Rate variability, Cardiopulmonary functions & Sleep parameters in Indian COPD Patients	ICMR	03 Years 01.04.2025 to 31.03.2028	50,19,216/-
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School of Interdisciplinary Sciences & Technology (SIST)

1	EM/SG/Dev.Res/ 118/2184- 2023(169919)	Prof. S. Ganguly, Dr. Bhattacharya, IIT D	SIST/Molecular Medicine	Development of Surface-Engineered Smart Nano-Immunotherapeutic for the treatment of Breast Cancer	ICMR	01.03.2025 to 28.02.2026	22,87,308-00 Second Year Grant
2		Dr. Vasudha Sharma	SIST/Food Technology	Development of millet-based products: Optimization, Characterization and Validation	DST	02 Years w.e.f. 07.06.2024 to 06.06.2026	93,70,626-00