

**R & D Cell**  
**Jamia Hamdard**

**EXTRAMURAL RESEARCH GRANTS/ PROJECTS**

<b>Sl. No.</b>	<b>Project title</b>	<b>Funding Agency</b>	<b>Year of Sanction</b>	<b>Duration</b>	<b>PI &amp; Co-PI</b>	<b>School/ Department</b>	<b>Net Worth INR</b>	<b>Date of Completion</b>	<b>Remarks</b>
1	Design, Computational studies and Synthesis of novel pyrazole derivatives as propitious agents and evaluating their biological efficacy against breast cancer	ICMR	2025	03 Years w.e.f. 29.01.2025	Prof. Asif Husain	SPER/ Pharmaceutical Chemistry	55,83,314-00	28.01.2028	
2	Boron based therapeutics against RNA viruses and associated post-infection arthritis in Chikungunya infection – a preclinical evaluation	ICMR	2025	03 Years w.e.f. 07.01.2025	Prof. Shakir Ali & Dr. Sayeedur Rehman +	SCLS/ Biochemistry	1,32,78,228-00 (2024-2025)	06.01.2028	First year sanctioned grant
3	Development of millet-based products: Optimization, Characterization and Validation	DST	2024	02 Years w.e.f. 07.06.2024	Dr. Vasudha Sharma	SIST/ Food Technology	93,70,626-00	06.06.2026	
4	Therapeutic switching and nano-conjugation of P13K/AKT pathway modulator(S) with leishmanial drug target inhibitor(s) as potential antileishmanial lead	ICMR	2024	03 Years w.e.f. 25.01.2024	Prof. A. Selvapandian	SIST/ Molecular Medicine	8,56,342-00	24.01.2025	Received total grant of Rs.23,43,876-00
5	Development of capsaicin-based VEGF inhibitors as novel anticancer agents	SERB	2024	03 Years, w.e.f. 20.06.2024	Dr. Syed Shafi & Dr. Sayeedur Rehman	SCLS/ Chemistry & Biochemistry	38,83,902-00	19.06.2027	
6	Assessment of the effect of Unani formulation loaded nanoparticle tablets against Streptozotocin-induced Diabetes	CCRUM	2024	One Year w.e.f. 23.07.2024	Dr. Prashant Kesharwani	SPER/ Pharmaceutics	14,14,000-00	22.07.2025	
7	Virtual screening using docking and molecular dynamics of extradoil-pyrimidine analoghs against Mpre and ACEw receptors: A possible therapeutic fool for Covid-19	ICMR	2024	03 Years w.e.f. 19.01.2024	Dr. Mohammad Mumtaz Alam	SPER/ Pharmaceutical Chemistry	22,18,043-00	18.01.2027	Received first year grant of Rs.22,18,043-00

8	Assessing the Role of Social Security Schemes in Enhancing Financial Independence and Mental Wellbeing of elderly People in Slum Areas of Delhi NCT Region	ICSSR	2024	01 Year w.e.f. 20.09.2024	Prof. Reshma Nasreen,	SMBSS/Management Studies	17,00,000-00	19.09.2025	
9	Development of capsaicin-based VEGF inhibitors as novel anticancer agents	ANRF	2024	03 years w.e.f. 20.06.2024	Dr. Syed Shafi	SCLS/Chemistry	38,83,902-00	19.06.2027	
10	Molecular mechanism of action of metalloid Unani Kushtajat for their role in protection against cellular stress	CCRAS/ Ministry of Ayush	2024	27.03.2024	Prof. S. Raisuddin	SCLS/MedicalElement ology & Toxicology	9,08,585-00 (1 <sup>st</sup> Installment, 2023-24)	26.03.2025	
11	Targeting APOIE-mediated pathways for clearance of B-Amyloid and inhabiting the self-assembly of Amyloid B-protein by Ganazolone in mutated APP-transfected SH-SY5Y neuroblastoma cells and mice model	ICMR	2024	03 Years w.e.f 11.01.2024	Prof. Divya Vohora	SPER/Pharmacology	44,14,043-00	10.01.2027	Received first year grant of Rs. 44,14,043-00
12	Improving Biopharmaceutical Atributes of Sodium Glucose Co-Transporter 2 Inhibitors for the management of Type 2 Diabetes Mellitus Associated Metabolic Syndrome using Cocrystallization Approach	ICMR	2024	03 Year w.e.f. 04.03.2024	Dr. Jamshed Haneef	SPER/Pharmaceutical Chemistry	21,82,043-00	03.03.2027	Received first year grant of Rs. 21,82,043-00
13	Development of Sugar free dosage forms, quality control and Pharmacological evaluation of Khamira Banafsha, Khamira abresham, Laoq-e-Sapistan, Sharbat Toot Siyag and Sharbat Zoofa against Covid-19 rleated disorders	CCRUM	2024	02 Years w.e.f. 26.02.2024	Prof. Sayeed Ahmad	SPER/Pharmacongnoz y &Phytochemistry	28,21,600-00	25.02.2026	
14	Role of Extra Domain A A fibronecting (LEDA4N) in myclopoiesis hias-mediated progression of the metabolic disease		2024	03 Years w.e.f. 06.02.2024	Dr. Prem Prakash	SIST/Molicular Medicine	45,39,043-00	05.02.2027	Transf. to BR Amb. Centre, DU

15	Development of a Multi-Array Immunoassay kit Based on Point-of-Care and Gene Ontology enrichment analysis: A Novel Approach for the Early Detection of Sexually Transmitted Infection	ICMR	2023	One year w.e.f. 01.11.2023	Prof. Suhel Parvez	SCLS/ MedicalElement ology & Toxicology	33,68,315-00	31.1 2024	
16	Fabrication and optimization of Minocycline nanofiber with incorporated biofilm disrupter as potential tool for periodontotherapy	SERB	2023	03 Years w.e.f. 25.10.2023	Dr. Zeenat Iqbal & Dr. Angamuthu Selvapand	SPER/ Pharmaceutics	44,88,957-00	24.10.2027	
17	Synthesis and evaluation of novel amphiphilic conjugate of FDA approved non-steroidal anti inflammatory drugs as potential antimicrobial against drug resistant pathogens	SERB	2023	03 Years w.e.f. 17.11.2023	Dr. Rikeshwer Dewangan & Dr. Mairaj Ahd Ansari	SPER/ Pharmaceutical Chemistry	37,71,054-00	16.11.2026	Received second year grant of Rs. 15,30,371-00
18	Development of New Quinoxaline based 2-Pyrazolines as Potent and Selective MAO-A Inhibitors: In silico Studies, Synthesis and Biological Evaluation	ICMR	2023	03 Years w.e.f 20.12.2023	Prof. Gita Chawla	SPER/ Pharmaceutical Chemistry	34,43,543-00	19.12.2026	First year sanctioned grant
19	Exploring the Economical Dynamics and Socio-Legal Realities of Red Light Areas in New Delhi, Kolkata and Mumbai: A Comparative Study on Sex Workers and their children	National Commis sion for Women	2023	01 Year 19.09.2023	Dr. A.K. Mishra, Professor of Practice	HILSR	8,39,000-00	18.09.2024	
20	Effect of Exercise on Heart Rate Variability, Cardiopulmonary functions & Sleep parameters in Indian COPD Patients	ICMR	2023	01 year w.e.f. 15.10.2023	Dr. Deepika Singla	SNSAH/ Physiotherapy	50,19,216-00	14.10.2024	Received first year grant of Rs. 50,19,216-00
21	Macrotyloma uniflorum, an underutilized pulse as a nutraceutical – in vivo and in silico approach	ICMR	2023	03 Years w.e.f. 15.02.2023	Dr. Humaira Farooqui	SCLS/ B'technology	39,50,639-00	14.02.2026	Received first & second year grant of Rs. 33,42,682-00
22	In silico and in vivo exploration of physostigmine analogues to understand mechanistic crosstalk between klothos and targets for epilepsy	ICMR	2023	03 Years w.e.f. 01.03.2023	Dr. Nidhi	SCLS/ Translational and Clinical Research	21,67,839-00	29.02.2026	Received first year grant of Rs. 10,63,543-00

23	Targeting Memory Milestones Using In Vivo Electrophysiology and Bio-Signal Processing as Novel tools	DST	2023	03 Years w.e.f. 30.03.2023	Prof. Suhel Parvez	SCLS/ Chemistry	58,24,602-00	29.03.2026	Received first year grant of Rs. 36,06,658
24	Deciphering the mechanistic role of Ephrin-Eph signaling pathways targeting ischemic Stroke Model: An appraisal for the development of Neuro-therapeutics	ICMR	2023	03 Years w.e.f. 13.03.2023	Prof. Suhel Parvez	SCLS/Medical Elementology & Toxicology	31,45,902-00	12.03.2026	First year sanctioned grant
25	Development of thermodynamically stable silver-nanoparticle based hydrogenlof curcumin & thymoquinone withcollagen for deep burns	ICMR	2023	02 Years w.e.f. 24.03.2023	Dr. Mohd. Ashif Khan	SCLS/ Translational and Clinical Research	19,25,661-00	23.03.2026	Received first & second year grant of Rs. 19,25,661-00
26	Effect of Unani preparations on macrophase polarization and its role in Increased Browning of fact leading to amelioration of insulin resistance	CCRUM	2023	06 Months 01.04.2023	Dr. Farah Khan, PI/ Sayeed ur Rahman	SCLS/ Biochemistry	9,74,310-00	30.09.2023	
27	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	2023	03 years w.e.f. 01.02.2023	Dr. Ozair Alam	SPER/ Pharmaceutical Chemistry	17,31,946-00	31.01.2026	Received first & second year grant of Rs. 17,31,946-00
28	Design & Development of Antithrombogenic small diameter electrospun vascular graft using indigenously developed nattokinase and serin	ICMR	2023	03 years w.e.f. 20.01.2023	Dr. Bibhu Prasad Panda	SPER/ P'cognosy & Phytochem.	31,26,902-00	19.01.2026	First year sanctioned grant
29	Strategic viral-mimicking, DNA-ejecting plyplex as a novel nanotherapeutic tool for breast cancer therapy	ICMR	2023	01 year w.e.f. 01.07.2023	Dr. Prashant Kesharwani	SPER/ Pharmaceutics	15,01,613-00	30.06.2024	Received first year grant of Rs15,01,613-00
30	Design, Development and Evaluation of Novel Immunemodulatory RTD (Ready to Dispense) Formulations UNIM 2020A and UNIM 2020B and UNIM 2020C	CCRUM	2023	03 Years w.e.f. 03.04.2023	Dr. Zeenat Iqbal & Dr. M. Aamir Mirza	SPER/ Pharmaceutics	32,42,400-00	02.04.2026	

31	Cell death inducing targeted therapy enhanced by amphiphilic co-block polymeric nanoscale drug delivery tool for triple-negative breast cancer therapy	ICMR	2023	03 Years w.e.f. 20.02.2023	Dr. Prashant Kesharwani	SPER/ Pharmaceutics	28,53,665-00	19.01.2026	Received first & second Year Grant of Rs.28,53,665-00
32	Effect of Unani Formulations against Mitochondrial Mediated Cellular Mechanisms: A strategy to combat Alzheimer's Disease".	CCRUM	2022	03 Years w.e.f. 12-08-2022	Prof. Suhel Parvez	SCLS/ Med. El. & Toxicology	43,78,200-00	11-08-2025	Received first & second Year Grant of Rs.30,20,606-00
33	Development of chemical profile and identification of bioactive &chemical markers for authentication and elite identification of the selected Unani herbal drugs.	CCRUM	2022	03 Years w.e.f. 07.12.2022	Prof. Mohd. Sarwar Alam	SCLS/ Chemistry	45,77,520-00	06.12.2025	Received first year Grant of Rs.13,35,360-00
34	Development of Michael acceptor based peptidylcinnamic acid and chalcone derivatives as cysteine protease inhibitors for leishmaniasis	ICMR	2022	02 Years 02.03.2022	Dr. Syed Shafi	SCLS/ Chemistry	21,68,190-00	01.03.2024	
35	Development of a sustainable platform in linseed (Linum usitatissimum L) For molecular pharming of podophyllotoxin from Indian mayapple (Podophyllum hexandrum Royle)	SERB	2022	03 Years w.e.f. 19.06.2022	Dr. Mohd. Ashraf Ashfaq/ Dr. Md. SAlik Noorani Khan	SCLS/ Botany	35,35,287-00	18.06.2025	Received first year Grant of Rs.16,77,027-00
36	To perform Shelf Life Studies and Aniamal safety Studies of selected Unani Formulations as per ICH/OECD guidelines	CCRUM	2022	03 Years w.e.f. 30.09.2022	Prof. Farhan J. Ahmad, Dr. Ifzul Kabir, Dr. Mohd. Ahmad Khan	SPER/ Pharmaceutics	42,38,480-00	29.09.2025	
37	In Silico-Steered Synthesis, molecular docking and cell cycle analysis of sulfur containing pyrimidine pendant chalcone derivatives as potent Lysine specific demethylase-1 (LSD1 OR KDMIA inhibitors	ICMR	2022	03 years w.e.f 01.12.2022	Dr. Mohammad Shaquiquzzaman	SPER/ Pharmaceutical Chemistry	27,33,858-00	30.11.2025	Received first & second year Grant of Rs.27,33,858-00
38	Pharmacological Evaluation and Comparison of Anti-diabetic Activity of an Unani formulation with Metformin in Experimental model of Diabetes	CCRUM	2022	03 Years w.e.f. 28.09.2022	Dr. Mukesh Nandave	SPER/ Pharmacology	31,90,200-00	27.09.2025	

39	Transforming and scaling up skills of T.B. healthcare Functionaries: Competency Assessment.	ICMR	2022	One year w.e.f. 01.07.2022	Dr. N. Ravichandran	SMBSS/ HPM	17,64,608-00	30.06.2023	
40	Development of Michael acceptor based peptidylcinnamic acid and chalcone derivatives as cysteine protease inhibitors for leishmaniasis	ICMR	2022	02 Years w.e.f. 02-03-2022	Dr. Syed Shafi	SCLS/ Chemistry	13,72,577-00	01-03-2024	First year sanctioned grant
41	Technological interventions to enhance the bioavailability of omega fatty acids using nanoencapsulates systems	ICMR	2022	One Year w.e.f. 30.05.2022	Dr. Vasundha Sharma	SIST/ Food Technology	3,66,215-00	29.05.2023	Ist Instalment
42	Molecular mechanisms underlying gender dimorphism in the pathophysiology of anemia of Inflammation in a rodent model.	SERB	2022	03 years w.e.f. 22.04.2022	Dr. Sudeshna Kar	SIST/ Molecular Medicine	30,00,000-00	21.04.2026	Transferred to Artmis Hospital
43	Surface Engineered Cyclodextrin/Phospholipid Inclusion Complex Tagged Esketamine Loaded Nanofibers for Effective Oral Delivery for Treatment-Resistant Depression(TRD).	SERB	2022	02 Years 11.08.2021	Prof. Yasmin Sultana	SPER/ Pharmaceutics	38,11,940-00	10.08.2023	
44	Investigation of hepatoprotective activity of Unani Formulations with emphasis on alleviation of antitubercular drugs induced hepatotoxicity: Elucidation of molecular mechanism.	CCRUM	2022	01 Year w.e.f. 04.01.2022	Prof. Abul Kalam Najmi & Dr. Zehra Zaidi	SPER/ Pharmacology	32,23,360-00	03.01.2023	
45	Development of Sugar Free Dosage Forms, Quality Control and Pharmacological Evaluation of Khamira Banafsha, Khamira Aabresham, Laoq-e-Katan, Laoq Sapistan, Sharbat Toot Siyah and Sharbat Zoofa against Covid-19 related disorders.	CCRUM	2022	02 Years w.e.f. 19.05.2022	Dr. Sayeed Ahmed	SPER/ Pharmacognosy & Phytochemistry	28,21,600-00	18.05.2024	
46	Redesigning and pharmacological evaluation of some classical Unani formulations with specific reference to immune-modulatory activity, safety profile and stability studies	CCRUM	2022	03 Years w.e.f. 19.05.2022	Prof. Mohd. Mujeeb	SPER/ Pharmacognosy and Phytochemistry	22,42,400-00	18.05.2025	Received first & second year Grant of Rs.14,90,634-00
47	Developmental bisphenol A exposure	ICMR	2021	03 Years	Prof. S.	SCLS/	43,29,261-00	09.08.2024	Received total

	and attention deficit hyperactivity disorder (ADHD) in protein malnourished host			10-08-2021	Raisuddin	Medical Elementology & Toxicology			grant of Rs.43,29,261-00
48	Towards the design and synthesis of multivalent cholera toxin antagonists: A novel cholera prophylactics.	ICMR	2021	(03 Years) 23-08-2021	Dr. Imran Ahmad Khan R	SCLS/ Chemistry	19,48,318-00	22-08-2025	
49	Electrochemical sensor connected to smart phone app for club drug detection at point of need	DBT	2021	03 years w.e.f. 29.10.2021	Dr. Jagriti Narang	SCLS/ Biotechnology	31,57,920-00	28.10.2024	Received first & second year Grant of Rs.28,99,024-00
50	Studies to decipher the mechanisms inducing disruption in hippocampus dopaminergic homeostasis by peripherally restricted bacterial infection.	ICMR	2021	03 Years w.e.f. 01.11.2021	Dr. Surajit Ganguly	SIST/ Molecular Medicine	1,29,54,346-00	31.10.2024	Received total grant of Rs.1,29,54,346-00
51	Validation and characterization of novel unctional role of SARS-CoV-2 ORF8 protein in tricking host complement system using molecular mimicry.	DBT	2021	01 Year 25-06-2021	Dr. Surajit Ganguly	SIST/ Molecular Medicine	23,61,860-00	24-06-2022	
52	Electrochemical multiplexed paper based analytical apta-sensor integrated with 2 D nano-materials for the detection of dengue and chikungunya at the point of care.	ICMR	2021	03 Years 24-03-2021	Dr. Jagriti Narang	SCLS/ Biotechnology	32,70,577-00	23-03-2024	Received total grant of Rs.32,70,577-00
53	Deciphering the functional link between ubiquitin proteasome pathway and xenophagy: Role of PR_PGRS protein family of mycobacterium tuberculosis.	SERB	2021	02 Years w.e.f. 17-02-2021	Dr. Javaid Ahmad Sheikh	SCLS/ Biotechnology	26,29,000-00	16-02-2023	
54	In-silico, In-vitro and In-vivo study to evaluate potency of telomestatin analogues vs standard intercalators towards targeting of G quadruplexes for lung cancer therapeutics.	ICMR	2021	03 Years w.e.f. 01.01.2021	Dr. Mohd. Ashif Khan	SCLS/Centre for Translational and Clinical Research	6,43,674-00	31.12-2023	First year sanctioned grant
55	Identifying therapeutic targets for blocking infection of highly pathogenic SARS-CoV-2 at an early stage: developing novel screening assay with minimal bio-hazard risk.	DBT	2021	02 Years w.e.f. 05-01-2021	Dr. Anuja Krishnan & Dr. Santosh Kr, SGPGIMS, Lucknow	SIST/ Molecular Medicine	83,93,968-00	04-01-2023	

56	Uncovering the genetics of novel <i>Salmonella typhi</i> strains from delayed responders to treatment.	ICMR	2021	03 Years w.e.f. 22-03-2021	Dr. Angamuthu Selvapandian	SIST/ Molecular Medicine	29,81,480-00	21-03-2024	First year sanctioned grant
57	Aptamer engineered smart multifunctional dendrimer-BSA nano-architectures targeting stem cell marker CD-133 for triple-negative breast cancer therapy.	ICMR	2021	03 Years w.e.f. 01.02.2021	Dr. Prashant Kesharwani	SPER/ P'aceutics	20,93,017-00	31.01.2024	Received first & second year grant of Rs.20,93,017-00
58	Conjoined positive correlation inhibition of EGFR and DYRK1A using new small molecules: A Novel strategy.	ICMR	2021	03 Years w.e.f. 30.03.2021	Dr. Mohd. Shahar Yar	SPER/ P'aceutical Chemistry	06,03,868-00	29.03.2024	First Year Grant
59	Development of some novel thiazolidine-4-one analogs as potential PPAR- $\gamma$ agonist for the treatment of Type 2 diabetes: in silico studies, synthesis and biological evaluation.	SERB	2021	03 Years w.e.f. 16.02.2021	Dr. Gita Chawla	SPER/ Pharmaceutical Chemistry	35,98,360-00	15.12.2024	
60	Design and synthesis of intracellular targeting novel antimicrobial peptides against multidrug resistant ESKAPE pathogens and their mode of action studies.	ICMR	2021	03 Years w.e.f. 14.06.2021	Dr. Rikeshwer P Dewangan	SPER/ Pharmaceutical Chemistry	42,41,236-00	13.06.2024	Received total grant of Rs.42,41,236-00
61	GABA-mediated plant hormonal changes, mechanics of source-sink capacity and yield under salinity stress in wheat(Trotoci, aestovi,)	SERB	2020	03 Years w.e.f. 25-11-2020	Dr. Md. Iqbal Raja Khan	SCLS/Botany	28,13,316-00	24-11-2023	
62	Evaluation of Anti-oxidant and Anticancer Effect of Unani medicine Against Liver Cancer: A Preclinical Study.	CCRUM	2020	03 Years w.e.f. 23.12.2020	Dr. Mohd. Shahar Yar	SPER/ Pharmaceutical Chemistry	47,54,800-00	22.12.2023	
63	Clinical Evaluation of a Unani formulation as adjunct therapy/ add-on therapy simultaneously with the allopathic treatment (regimen specific) in the Covid-19 patients.	AYUSH	2020	02 Years w.e.f. 01.10.2020	Prof. Shakir Jamil	SUMER	10,57,980-00	31.09.2022	1 <sup>st</sup> install, 9,52,182/
64	Investigating and validation of the Molecular mechanism of Unani	CCRUM	2020	03 Years w.e.f.	Prof. M. Shahar Yar &	SPER/ Pharmaceutical	46,78,360-00	21.12.2023	

	Medicines in vitro and in vivo for the treatment of Atopic Dermatitis			22.12.2020	Dr. Uzma Bano (Both Co-PI) with Dr. Yuba Raj Pokharel PI, South Asian University	Chemistry& SUMER			
65	An Interventional Study to assess impact of behavior modification therapy versus brief advise for tobacco cessation among adult tobacco users residing in a resettlement colony of Delhi	ICMR	2020	18 Months w.e.f. 15.12.2020	Dr. Rashmi Agarwalla	HIMSR/ Community Medicine	7,24,010-00	14.07.2021	
66	A cross sectional study to assess perception and proportion of sexual harassment among working women in health section of India an exploration of facts	ICMR	2020	One Year 02.11.2020	Dr. Meely Panda	HIMSR/ Community Medicine	4,70,330-00	01.11.2021	
66	Structural and biochemical characterization of Carbapenem Resistance Factor A (CrfA) from Mycobacterium tuberculosis.	SERB	2020	03 Years w.e.f. 12.02.2020	Dr. Pankaj Kumar	SCLS/ Biochemistry	52,28,696-00	11.02.2023	
67	Identification of Anti-dengue Viral Compounds from Unani Medicinal Plants and formulation.	CCRUM	2020	02 Years w.e.f. 11.03.2020	Dr. Anuja Krishnan, Research Scientist	SIST/ Molecular Medicine	55,47,200-00	10.03.2021	
68	Prevalence risk factors and Laboratory diagnosis of non tuberculosis mycobacterium(NIM) diseases.	ICMR	2020	03 Years w.e.f. 01.03.2020	Prof. Syed E. Hasnain	SIST/ Molecular Medicine	20,57,724-00	28.02.2023	First year sanctioned grant
69	Pharmacokinetics, stability and quality control studies on Urifol's of the Unani Pharmacopoeia of India (Part 2 VI & V20 using Chromatographic Analysis by HPTLC and LC-MS.	CCRUM	2020	03 Years w.e.f. 11.03.2020	Prof. S.H. Ansari	SPER/ P'cognosy & P'chemistry	41,85,400-00	10.03.2023	

70	Development of herbal formulation from medicinal plants ( <i>Ocimum sanctum</i> and <i>Solanumxanthocarpus</i> ) for the therapeutic management of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> infection in domestic livestock	Dept. of Biotechnology, MST	2020	03 Years w.e.f. 05.02.2020	Dr. Sayeed Ahmad	SPER/ P'cognosy & P'chemistry	96,04,000-00	04.02.2023	
71	Molecular mechanisms of action of metalloid Unani Kushtajat for their role in protection against cellular stress.	CCRUM	2019	03 Years w.e.f. 02.12.2019	Prof. S. Raisuddin	SCLS/ Medical Elementology & Toxicology	62,06,091-00	01.12.2022	
72	Mucoadhesive Nano-emulsion of Dopamine Agonists Novel strategy for targeting Mitochondria in Alzheimer's Disease.	ICMR	2019	03 Years w.e.f. 15.07.2019	Prof. Suhel Parvez	SCLS/ Medical Elementology & Toxicology	30,58,280-00	14.07.2022	First year sanctioned grant
73	Screening of Poly-pharmacophore Carbapenems against Drug-resistant tuberculosis.	ICMR	2019	01 Year w.e.f. 01.08.2019	Dr. Pankaj Kumar	SCLS /Biochemistry	9,64,340-00	31.07.2020	
74	Fluorescent multipurpose Bio-Dots-drug nanoconjugate as Antifungal drug tracker	ICMR	2019	03 Years w.e.f. 11.09.2019	Dr. Kamla Rawat	SCLS/ Chemistry	7,51,850-00	10.09.2022	First year sanctioned grant
75	Insight into the design, computational studies, and synthesis of pyrazole linked aryl carbamoylhydrazide derivatives: Implication for antidiabetic activity through α-Glycosidase inhibition.	SERB	2019	03 Years w.e.f 24.06.2019	Dr. Ozair Alam	SPER/ Pharmaceutical Chemistry	34,07,660-00	23.06.2022	
76	Survivin SiRNA targeted poly(propylene imine) dendrimer loaded with doxorubicin and lycopene against triple negative breast cancer.	ICMR	2019	03 Years w.e.f. 27.08.2019	Dr. Prashant Keserwani	SPER/ Pharmaceutics	21,63,688-00	26.08.2022	Received First year grant of Rs.10,81,844- 00
77	Development of IT for Identity of Crude Powdered Botanicals through analytical Microscopy.	BIRAC	2019	18 months w.e.f. 03.07.2019	Dr. Vidhu Aeri	SPER/ P'cognosy & P'chemistry	42,20,000-00	02.01.2021	
78	Upgradation and Modernisation of Neurobehavioural Pharmacology Laboratory with RT-PCR to enable basic and Translational Research to understand Molecular and Cellular pathways	AICTE	2019	02 Years w.e.f. 02.12.2019	Dr. Divya Vohra	SPER/ P'cology	12,00,000-00	01.12.2021	

	involved in neurological diseases as also for PG Teaching and Trading.								
79	CCT – Development of the dual inhibitors targeting Wnt signaling as colorectal cancer therapeutics.	DST	2019	03 Years w.e.f. 30.03.2019	Dr. Ahmed Kamal	SPER/ P'cology	49,48,795-00	29.03.2022	
80	Characterization of M.tb, MDR-M.tb, BCG, rBCG, infected Alveolar macrophages and ESAT-6 antigen over expressing cells derived exosomes and their potential as effective adjuvant and candidate vaccines	SERB	2019	03 years w.e.f. 27.03.2019	Dr. Mairaj Ahmed Ansari	SCLS/ Biotechnology	20,07,500-00	26.03.2022	
81	Mechanistic role of fibronectin containing the alternatively spliced extra domain a in myocardial ischemia-reperfusion injury	SERB	2019	03 Years w.e.f. 06.07.2018	Dr. Prem Prakash	SIST/ Molecular Medicine	51,19,715-00	05.07.2021	
82	Support to conduct Training Programme in area of Modern Biology	MHFW	2019	05 Years 16.02.2019	Dr. Sonam Grover MHFW	SIST/ Molecular Medicine	99,87,500-00	15.02.2024	
83	The Penumbra of Learning: Role of plasticity related proteins in behavioural tagging.	DST	2018	03 Years w.e.f. 29.08.2018	Prof. Suhel Parvez	SCLS/ MedicalElement ology & Toxicology	53,97,800-00	28.08.2021	
84	Effects of Unani Preparations on macrophage polarization and its role in Increased Browning of fat leading to amelioration of insulin resistance.	CCRUM	2018	03 Years w.e.f. 09.10.2018	Dr. Farah Khan	SCLS/ Chemistry	53,72,000-00	08.10.2021	
85	Neuroprotective and Neuritogenic effects of a cell-permeable bacterial histone-mimic protein: therapeutic Implications for Neurodege narrative Pathologies.	SERB	2018	03 Years w.e.f. 11.10.2018	Dr. Shubha Shukla and Dr. Surajit Ganguly	SIST/ Molecular Medicine	10.10.2021	67,16,800-00	
86	Studies to delineate the molecular nexus between systemic infection, serotonin biosynthesis and neurocognitive decline using chronic infection model in rodents.	SERB	2018	03 Years w.e.f. 12.11.2018	Dr. Surajit Ganguly	SIST/ Molecular Medicine	57,64,400-00	11.11.2021	
87	Evaluation of “Histidine switch hypothesis” in the pH dependent dengue	SERB	2018	03 Years w.e.f.	Dr. Anuja Krishnan	SIST/ Molecular	25,80,000-00	18.11.2021	

	virus maturation and infectivity'			19.11.2018		Medicine			
88	A cost Effective Oral Nanoformulation Development of Zoledronate For The Treatment Of Osteoporosis	DST	2017	03 Years w.e.f. 14.08.2017	Prof. Yasmin Sultana	SPER/Pharmaceutics	40,09,267-00	13.08.2020	
89	Pharmacokinetics, stability and Quality control Studies on Araqiyat of the Unani Pharmacopoeia of India using HPTLC and GC-MS	CCRUM	2017	02 Years w.e.f. 16.06.2017	Dr. Sayeed Ahmad	SPER/ P'chemistry & P'cognitoz	49,74,560-00	15.06.2019	
90	Gene functional analysis and development of Live attenuated vaccine candidates of leishmania parasites against leishmaniasis using CRISPR cas9 approach	ICMR	2022	03 Years 02.03.2022	Dr. Anugamuthu Selvapandiyam	SIST/ Molecular Medicine	71,89,979-00	01.03.2025	Received total grant of Rs.71,89,979-00
91	Building a Cyber Security Tool for IoT Devices: Discovering, Identifying Vulnerabilities and Propose a Solution	NEIT, GII	2021	02 Years w.e.f. 16.07.2021	Dr. Harleen Kaur	SEST/Computer Science	32,00,000-00	15.07.2023	
92	Congnitive remediation through Behavioural reinforcement in Traumatic brain injury.	SERB	2021	03 Years w.e.f. 10-03-2021	Prof. Suhel Parvez	SCLS/ Medical Elementology & Toxicology	49,51,860-00	09-03-2024	Received Three years grant of Rs.35,75,468-00
93	Repurposed Drugs and Nutraceuticals as Neurotherapeutic Intervention for Targeting Mitochondrial dynamics in subarachnoid haemorrhage.	ICMR	2021	03 Years w.e.f. 30-03-2021	Prof. Suhel Parvez	SCLS/ Medical Elementology & Toxicology	19,68,618-00	29-03-2024	First year sanctioned grant
94	Animal toxin peptides: Novel therapeutics for targeting mitochondrial permeability transition pore in cerebral ischemia	ICMR	2021	02 Years w.e.f. 01.02.2021	Prof. Suhel Parvez	SCLS/ Medical Elementology & Toxicology	17,29,924 - 00	31.01.2023	First year sanctioned grant
95	Mechanism mediating innate functions and gene regulation by GAS in the nucleus during de novo and latent Herpes virus infection.	DBT Welcom e – India Alliance	2021	05 Years w.e.f. 01-01-2021	Dr. Mairaj A. Ansari	SCLS/ Biotechnology	3,15,17,530-00	31-12-2025	

96	Characterization of novel interferon stimulated genes (ISGs) regulating JEV replication.	DBT	2020	03 Years w.e.f. 14-12-2020	Dr. Vikas Sood	SCLS/ Biochemistry	58,93,360-00	13-12-2023	
97	Role of Extra Domain A Fibronectin in Diabetes Associated Arterial Thrombosis: A Real-Time Intravital Approach.	SERB	2020	03 Years w.e.f. 29-12-2020	Dr. Prem Prakash	SIST/ Molecular Medicine	46,49,551-00	28-12-2023	
98	Mechanistic role of cell fibronecting containing extra domain A in heart failure.	ICMR	2020	03 Years w.e.f. 04.01.2021	Prem Prakash	SIST/ Molecular Medicine	42,22,829 - 00	03.01.2024	First year sanctioned grant
99	Identification of anti-dengue viral compounds from Unani medicinal plants and formulations.	CCRUM	2020	02 Years 21.10.20	Dr. Anuja Krishnan	SIST/ Molecular Medicine	55,47,200-00	20.10.2022	
100	Investigation of mechanism of function of RNase P of Mycobacterium tuberculosis: exploration as a drug target.	DST	2018	03 Years w.e.f. 02.11.2018	Prof. Jitendra Kumar Batra	SCLS/ Biochemistry	42,46,800-00	01.11.2021	
101	Design and Synthesis of Cyanopyrimidine Derivatives Targeting Histone Demethylase 1 as Potential Anticancer Agents	SERB	2018	03 Years 14.09.2018	Dr. Mohammad Shaquuzzaman	SPER/ Pharmaceutical Chemistry	26,58,800-00	13.09.2021	