

Research Experience

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Assistant Professor

AIIMS Kalyani

Sr No.	Project Title	Duration	Funding Agency	Total Cost (Rupees)	Status (Complete s/ Ongoing/ Submitted)	Output/Outcome
1	As a Chief Investigator :- Event-related potentials, cognitive domains along with biochemical and hormonal changes associated with major depressive disorders: a cross-sectional study in adolescent girls.	3 years	AIIMS-Kalyani Intramural	4,97,250	Ongoing	NA
2	As Chief Investigator:- Study of Neurocognitive Functions in CVA Patients Undergoing rTMS - A Longitudinal prospective Study	2 years	Nonfunded	NA	Ongoing	NA
3	As Co-Investigator :- Comparative study of cognitive function between anemic and non-anemic women of age 18 to 35 years in Nadia district, West Bengal.	6 months	ICMR-STs-2023	50,000	Completed	Publications in progress, ICMR report submitted
4	As Co-Investigator :- “A study on the association of miRNA with autonomic and vestibular functions in type-II diabetic neuropathy.”	2 years	MRU	5,29,231	Ongoing	NA
5	As Chief Investigator:- “Study of Neurocognitive functions in healthy volunteers through EEG analysis by using Montreal Cognitive Assessment (MoCA)- A cross-sectional study”	2 years	Non funded	NA	Ongoing	NA
6	As Chief Investigator:- Comprehensive Evaluation of Stress Factors Experienced by Medical and Nursing Undergraduate Students from All India Institute of Medical Sciences, Kalyani”	2 years	FAIMER 2024-Nonfunded	NA	Ongoing	NA

7	As Co-Investigator :- The impact of pollution : To compare cardiorespiratory efficiency between toto drivers and office workers.	1 year	SwitchOn foundation	25,000	Ongoing	NA
8	As Co-Investigator :- “Investigating the Correlation between Nerve Conduction, Inflammation, and somatosensory thresholds in Diabetic peripheral neuropathy”	1 year	Intramural	3,00,000	Ongoing	NA
9	As Chief Investigator:- Reference value for nerve conduction study of commonly tested nerves among non-neuropathic sample adult West Bengal Population - A Pilot Study.	2 years	Nonfunded	NA	Ongoing	Publications in progress
10	As Chief Investigator:- Electrodiagnostic characterization of neuropathy complicating type 2 diabetes mellitus in the Indian population.	2 years	Nonfunded	NA	Completed	Publications in progress

Extramural projects submitted in 2023

1. RSTMH (Royal Society of Tropical Medicine and Hygiene) :- April 2023
Titled - “To determine the association of HLA DRA gene (rs61104666, rs3135359 & rs3129878), TSBP1 gene (rs9391858,rs33915496) polymorphism & hormonal assay in active pulmonary tuberculosis patients with nonobstructive azoospermia.”
2. CSIR-ASPIRE :- April 2023
Titled - “To assess the Neurocognitive functions in adolescent girls suffering from depression in correlation with glutamate and estrogen receptor gene variants and hormonal assay.”
3. ICMR 2023- Call for Investigator-Initiated Research Proposals for small extramural grants dated April 2023 “To determine the association between polymorphism of NMDA receptor gene (GRIN1, GRIN2A & GRIN2B) and neurocognition in adolescents with major depressive disorder.”

Extramural projects submitted in 2024- AWAITING FOR THE RESULTS

1. SERB- Dated Feb 2024
Titled- “Neurocognitive profile and neuroendocrinal correlates of adolescent girls (10-19yrs) with depression in an urban population of Nadia, West Bengal”.

2. ICMR 2024- Dated March 2024

Titled- "Neurocognitive Impact of Zinc and Magnesium Supplementation as Adjuvant Therapy in Adolescent with Major Depressive Disorders: A Hospital-Based Randomized Controlled Trial".