



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE: 6464

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at Dipartimento di Scienze della Salute, Scientist-in-charge: Prof. Chiaramonte Raffaella

KANU SHIL

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	SHIL
Name	KANU

PRESENT OCCUPATION

Appointment	Structure
Resaerch Assistant Professor	Faculty of Paramedical Sciences, Assam downtown University, Panikhaiti, Guwahati-781026, Assam, India

EDUCATION AND TRAINING

Degree	Course of studies	University	Year of achievement of the degree
Degree	HUMAN PHYSIOLOGY	TRIPURA UNIVERSITY, AGARTALA-799022, TRIPURA, INDIA	2011
Specialization	MICROBIOLOGY, IMMUNOLOGY AND CELL CULTURE	TRIPURA UNIVERSITY, AGARTALA-799022, TRIPURA, INDIA	2011



PhD	HUMAN PHYSIOLOGY	TRIPURA UNIVERSITY, AGARTALA-799022, TRIPURA, INDIA	2019
Master	HUMAN PHYSIOLOGY	TRIPURA UNIVERSITY, AGARTALA-799022, TRIPURA, INDIA	2011
Degree of medical specialization	NA		
Degree of European specialization	NA		
Other			

REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City

FOREIGN LANGUAGES

Languages	level of knowledge
ENGLISH	PROFESSIONAL

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2020	Secure Advanced scores in Duolingo English Speaking test 120/160 equivalent with TOEFL score 102 by Duolingo, Pittsburg, United States.
2012	Modern biotechnological techniques from State Biotech Hub. Tripura University, Suryamaninagar, Agartala, India.
2020	Basics of CRISPR/Cas9 offered by The Jackson Laboratory, USA (online course)
2023	Artificial Intelligence in clinical Research and Medical Writing
2023	Faculty development courses



TRAINING OR RESEARCH ACTIVITY

1. NUTRITIONAL BIOCHEMISTRY AND TOXICOLOGY
2. MICROPLASTIC AND ITS IMPACT ON HUMAN BODY

PROJECT ACTIVITY

Year	Project
2013-2018	ALTERATION OF CARBOHYDRATE, PROTEIN AND FAT METABOLISM IN BRAIN, LIVER, KIDNEY AND MUSCLE DUE TO SUB-ACUTE CHROMIUM EXPOSURE
2022-2024	TOXICO-PARAMETRIC INTERVENTIONS AMONG THE SYMBOLIC WETLANDS OF ASSAM”
2022-2025	UNDERSTANDING FLUXES OF MICROPLASTICS IN THE COASTAL ECOSYSTEM OF INDIA

PATENTS

Patent

CONGRESSES AND SEMINARS

Date	Title	Place
16-19 th March 2017	Modifications of hepatic protein content and proteases in sub-acute chromium toxicity	IIT Guwahati, India
4-6 th June 2015	Alteration in cerebral protein content and proteases in sub-acute chromium toxicity	IIT Guwahati, India.
19-21 st December 2014	Metabolic impairment of Cr (VI) in liver and muscle tissue	Murshidabad, West Bengal, India
13-14 th January 2015	Toxic insult of Cr (VI) on certain metabolic parameters of mammalian renal tissue	State Biotech Hub, Tripura University, Suryamaninagar, Agartala, India

PUBLICATIONS

Books
Metabolic toxicity and alteration of cellular bioenergetics by hexavalent chromium, USA, Springer International Publishing, AG, 2018



Journals
Disruption of metabolic integration of protein in cerebral tissue due to sub-acute Cr(VI) exposure, Hungary, European Chemical Bulletin, 2023.
Alteration of cerebral carbohydrate metabolism due to sub-acute exposure of Cr(VI), Hungary, European Chemical Bulletin, 2023
Disruption of metabolic integration of protein in cerebral tissue due to sub-acute Cr(VI) exposure, Hungary, European Chemical Bulletin, 2023
Toxicological status of significant wetlands of the Northeast India, USA, International Journal of Engineering Science and Computing, 2023
Hexavalent chromium and cellular bioenergetics: an experimental Study, USA, Current Topics on Chemistry and Biochemistry, 2022
Metabolic and Morphological Disorientation in Liver and Skeletal Muscle of Mice Exposed to Hexavalent Chromium, Comparative Clinical Pathology, 2019
Metabolic adaptability in hexavalent chromium treated renal tissue: an in vivo -study, UK, Clinical Kidney Journal, 2018
Hexavalent Chromium Induced Alteration of Carbohydrate Bioenergetics: A Dose-dependent Study, India, Asian Journal of Pharmaceutical and Clinical Research, 2017
Arsenic induced cardio toxicity: Ameliorative role of vitamins and minerals, India, Indian Journal of physiology and Allied Science, 2013

Articles in reviews

Congressproceedings
Disruption of Metabolic Integration between Carbohydrate, Protein and Fat in cerebral tissue of Mice Exposed to Hexavalent Chromium, USA, Cureus, 2024
Hydro-physiology and its impacts on the scavenger cat fish of Ruradasagar lake, Melaghar Tripura, Indian Journal of Natural Sciences, 2024

OTHER INFORMATION

Very efficient for Designs, plans and conducts assigned research and/or development-related experiments/studies utilizing established and innovative procedures emphasizing cost effective and suitable performance.
Excellent written and verbal communication skills, including experience of participating in pitching new research proposals to potentiate the scientific output.



Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: Guwahati, 29th February 2024