



**AL MAGNIFICO RETTORE
DELL'UNIVERSITA' DEGLI STUDI DI MILANO**

COD. ID: 6730

Il sottoscritto chiede di essere ammesso a partecipare alla selezione pubblica, per titoli ed esami, per il conferimento di un assegno di ricerca presso il Dipartimento di Scienze Farmacologiche e Biomolecolari

Responsabile scientifico: Professor Mario Dell'Agli

Amanat Habib

CURRICULUM VITAE

INFORMAZIONI PERSONALI

Cognome	Habib
Nome	Amanat

OCCUPAZIONE ATTUALE

Incarico	Struttura
15 Dec, 2023-Current	Research Assistant-- Department of Physiology, University of Oviedo, Spain

ISTRUZIONE E FORMAZIONE

Titolo	Corso di studi	Università	anno conseguimento titolo
Laurea Magistrale o equivalente	LM-61 Scienze della Nutrizione Umana	Universita della Calabria	23/04/2024
Specializzazione			
Dottorato Di Ricerca			
Master	Nutrition and Food Hygiene	Xi'an Jiaotong University, China	
Diploma Di Specializzazione Medica			
Diploma Di Specializzazione Europea			
Altro			

ISCRIZIONE AD ORDINI PROFESSIONALI

Data iscrizione	Ordine	Città



LINGUE STRANIERE CONOSCIUTE

lingue	livello di conoscenza
English	C2
Urdu	Nativo
Punjabi	Madre lingua
Italian	B1
Espanol	A2

PREMI, RICONOSCIMENTI E BORSE DI STUDIO

anno	Descrizione premio
2015-2019	HEC exceptional Student award for Undergraduate Awarded the prestigious HEC Exceptional Student Award for my undergraduate studies at the University of Agriculture Faisalabad, based on outstanding academic performance. This scholarship was granted from 2015 to 2019, recognizing my commitment to excellence, as demonstrated by consistently achieving a place on the Dean's List every year. The award highlights my dedication, hard work, and ability to maintain high academic standards throughout my university education.
2020-2022	Awarded Xi'an Jiaotong University Scholarship—Xian Jiaotong University, Xi'an China.
2021-2024	Awarded University of Calabria Merit Scholarship for Master taught in English—University of Calabria, RENDE, Italy

ATTIVITÀ DI FORMAZIONE O DI RICERCA

descrizione dell'attività

ATTIVITÀ PROGETTUALE

Anno	Progetto
2023-2024	PhIP/DSS induced Colorectal cancer and impact of Dietary fiber and probiotics on overall metabolic state of cells. At the University of Oviedo, my research focuses on investigating the effects of PhIP compounds, which are carcinogenic substances found in cooked meats, on inflammatory responses in mice models. We aim to understand the molecular and cellular pathways through which PhIP induces inflammation, which could have significant implications for dietary guidelines and public health. The techniques employed in this study include:



	<p>ELISA (Enzyme-Linked Immunosorbent Assay): To measure the levels of specific inflammatory cytokines and proteins in the blood and tissues of mice.</p> <p>Western Blotting: For the detection and quantification of proteins involved in inflammatory pathways.</p> <p>qPCR (Quantitative Polymerase Chain Reaction): To analyze the expression levels of genes associated with inflammation.</p> <p>Histological Analysis: To examine tissue samples for signs of inflammation and cellular damage.</p> <p>These methods collectively provide a comprehensive understanding of how PhIP compounds may contribute to inflammation and disease.</p>
2023-2024	<p>Palmitate-Induced Cardiac Lipotoxicity Is Relieved by the Redox-Active Motif of SELENOT through Improving Mitochondrial Function and Regulating Metabolic State</p> <p>During my Master's research, I investigated the effects of Palmitate, a saturated fatty acid, on H9c2 cardiac cells to understand the mechanisms of Palmitate-induced cytotoxicity and the protective role of PSELT (Plant Sterol Ester Liquid Treatment). This study focused on how PSELT could mitigate cellular stress and metabolic dysfunctions induced by Palmitate, which is significant for understanding its implications in conditions like diabetes and cardiovascular diseases.</p> <p>Techniques Employed:</p> <p>Cell Culture: Maintaining and treating H9c2 cardiac cells to model the cellular environment of heart tissue.</p> <p>MTT Assay: Measuring cell viability and cytotoxicity after Palmitate and PSELT treatments.</p> <p>Western Blotting: Detecting protein markers indicative of mitochondrial stress and apoptosis.</p> <p>Fluorescence Microscopy: Visualizing changes in mitochondrial morphology and reactive oxygen species (ROS) generation.</p> <p>Flow Cytometry: Analyzing cell cycle changes and apoptosis in response to treatments.</p> <p>FTIR Spectroscopy (Fourier-Transform Infrared Spectroscopy): Examining changes in the cell membrane composition to assess the impact of Palmitate and PSELT on membrane integrity and function.</p> <p>These methodologies helped to reveal the protective effects of PSELT against the cytotoxic impact of Palmitate by maintaining mitochondrial function and reducing oxidative stress in cardiac cells.</p>

TITOLARITÀ DI BREVETTI

Brevetto



CONGRESSI, CONVEGNI E SEMINARI

Data	Titolo	Sede
19/04/2016	26th All Pakistan Food Science Conference	In presence
15/06/2023	La Neurologia oggi fra urgenze e cronicità	In presence

PUBBLICAZIONI

Libri

Articoli su riviste
Prevalence and Determinants of Anemia among Children in Zanzibar, Tanzania: Analysis of Cross-Sectional Population Representative Surveys , Children, MDPI, 2021.
Palmitate-Induced Cardiac Lipotoxicity Is Relieved by the Redox-Active Motif of SELENOT through Improving Mitochondrial Function and Regulating Metabolic State—Masters Thesis, Cells, MDPI, 2023.
[titolo articolo, rivista, città, editore, anno...]

Atti di convegni
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ALTRE INFORMAZIONI

I am currently in the process of writing a book on living with food allergies, which reflects my ongoing commitment to public health and education. Additionally, my research work at the University of Oviedo, focusing on host-microbiota interactions and their impact on colorectal cancer, has recently concluded. I am now eager to embrace new challenges and further develop my expertise in health sciences. The opportunity presented by this Doctoral Researcher position aligns perfectly with my passion for advancing knowledge in nutrition and health, and I am enthusiastic about the prospect of contributing to your esteemed faculty through innovative research and scholarly collaboration.

Le dichiarazioni rese nel presente curriculum sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del DPR n. 445/2000.

Il presente curriculum, non contiene dati sensibili e dati giudiziari di cui all'art. 4, comma 1, lettere d) ed e) del D.Lgs. 30.6.2003 n. 196.



UNIVERSITÀ DEGLI STUDI DI MILANO

RICORDIAMO che i **curricula SARANNO RESI PUBBLICI sul sito di Ateneo** e pertanto si prega di non inserire dati sensibili e personali. Il presente modello è già precostruito per soddisfare la necessità di pubblicazione senza dati sensibili.

Si prega pertanto di **NON FIRMARE** il presente modello.

Luogo e data: _____, _____