



AL MAGNIFICO RETTORE  
DELL'UNIVERSITA' DEGLI STUDI DI MILANO

COD. ID: 6889

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 Fisiopatologia Medico-Chirurgica e dei Trapianti**

Responsabile scientifico: **Prof. Lampertico Pietro**

[SHABAB HUSSAIN]

CURRICULUM VITAE

## INFORMAZIONI PERSONALI

Cognome	HUSSAIN
Nome	SHABAB

## OCCUPAZIONE ATTUALE

Incarico	Struttura
Ph.D Researcher Student	Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina

## ISTRUZIONE E FORMAZIONE

Titolo	Corso di studi	Università	anno conseguimento titolo
Degree	Bachelor of science in Biotechnology	Abasyn University Islamabad, Pakistan	2019
Laurea Magistrale o equivalente	Master of Science in Molecular Virology	COMSATS UNIVERSITY ISLAMABAD, PAKISTAN	2021
Dottorato Di Ricerca	Applied biology and Experimental Medicine	UNIVERSITY OF MESSINA, ITALY	2024
Master			
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
Italian	A2
Urdu	Fluent

## PREMI, RICONOSCIMENTI E BORSE DI STUDIO

anno	Descrizione premio
2022	Fully Funded Scholarship for PhD , University of Messina, Italy
2016	Award in Poster Preseantion, Pakistan Acadmey of Sciences Pakistan
2015	Merit Scholarship for Bachelor Degree studies

## ATTIVITÀ DI FORMAZIONE O DI RICERCA

### descrizione dell'attività

#### 1-MARIE CURIE SECONDMENT RESEARCHER, NATIONAL TECHNICAL UNIVERSITY OF ATHENS, GREECE (2024)

I was involve in FEEDACTIV project that is funded by European Union's Horizon Europe Framework Programme (HORIZON) under the Marie Skłodowska-Curie grant focuses on the development of innovative aquaculture feed supplements based on natural bioactive compounds that boost the immune system and exhibit antioxidant and antimicrobial activity.

#### 2- Visitor Researcher at Ruder Boskovic Institute Zagreb, Croatia (2023)

I focused on the degradation of microplastics from face masks used during the COVID-19 pandemic. My work involved studying the breakdown process of these microplastics and assessing their impact on the model organism, zebrafish. I conducted experiments to observe the effects of microplastic exposure on zebrafish development and behavior. Along that I performed FTIR Spectroscopy for the classification of polymers.

#### 3-Assitant researcher at Virology Lab Comsats university Islamabad,Pakistan (2022)

At the Department of Biosciences and Moleculer Virology Lab, I was actively involved in a Polio survillance project. My tasks included sample collection, RNA Extraction, performing PCR to detect viral RNA, and analyzing the results. I also contributed to primer designing and sequencing to identify specific strains of the virus.



## 4- Internship at Laboratory of Virology National Institute of Health Islamabad, Pakistan (2021)

During intrenship I Performed ELISA tests for Measles and Rubella virus samples received from hotspot regions across the Pakistan. Conduct PCR test for Positive Samples and Genomic Sequencing. Sample collection for Polio enviromental surveillance studies, their analysis with PCR and genome Sequencing.

## 5- Internship at Maroof International Hospital Islamabad Laboratory (2018)

During my internship I gained hands-on experience in microbiology testing. I performed tests such as culture and sensitivity, gram staining, and blood culture analysis to identify and analyze bacterial infections.

## ATTIVITÀ PROGETTUALE

Anno	Progetto
2024	Environmental risks due to the use of personal protective equipment (PPE) as a health measure used against the coronavirus COVID-19
2024	Addition of natural antimicrobial and antioxidant agents to the conventional feed production line
2022	Surveillance Studies of polio virus from waste water from KPK, Bannu Pakistan
2018	Comparative and Synergistic Anti-oxidative Studies of the Extracts from Ocimum sanctum and Mentha
2016	Bioethanol production from sugar cane bagasse by adding bacillus cereus and Zymomnas bacteria

## TITOLARITÀ DI BREVETTI

Brevetto

## CONGRESSI, CONVEGNI E SEMINARI

Data	Titolo	Sede
2024	Health and safety in the workplace Training	Messina
2023	Discipline on animal protection used for scientific purposes (seminar)	Messina
2023	The immune system of Dicentrarchus labrax (seminar)	Messina



2023	The safety of clinical trials (seminar)	Messina
2023	Impact of anthropogenic disturbance on Marine Ecosystem confernece	Messina
2022	Proposal Writing in the EIC path finder Program (Seminar)	Messina
2022	Glucocorticoids in inflammation and immune response: role of GILZ (Seminar)	Messina
2022	Systematic reviews and meta-analyses: theory and clinical applications	Messina
2022	Proposal writing on Piller II Health and Climate (seminar)	Messina
2021	Immunization Progress and Challenges in Pakistan (Seminar)	Pakistan
2018	Biosafety Training for Young Researcher (seminar)	Pakistan
2018	Employment of Bioinformatics Tools in Drugs Discovery and Development (seminar)	Pakistan
2016	Biosafety and Biosecurity in life sciences research (Conference)	Paksitan

## PUBBLICAZIONI

Libri
Bioprocessing and Purification of Metabolites: book chapter submitted to Springer Nature 2024

<b>Articoli su riviste</b>
Revealing Melatonin's Mysteries: Receptors, Signaling Pathways, and Therapeutics Applications <a href="https://doi.org/10.1055/a-2226-3971">https://doi.org/10.1055/a-2226-3971</a> (2024)
Surveillance of Wastewater Bodies from Bannu, Khyber Pakhtunkhwa, Pakistan for Poliovirus: <a href="https://doi.org/10.32350/bsr.53.07">https://doi.org/10.32350/bsr.53.07</a> (2023)
Comparative and Synergistic Anti-Oxidative Studies of the Extracts from Ocimum Sanctum and Mentha Piperita : <a href="http://dx.doi.org/10.5281/zenodo.7754020">http://dx.doi.org/10.5281/zenodo.7754020</a> (2023)
Plant extract mediated biogenic synthesis and characterization of nickel oxide nanoparticles and its environmental and antibacterial applications: <a href="https://doi.org/10.56946/jce.v2i2.280">https://doi.org/10.56946/jce.v2i2.280</a> (2023)
Extraction and purification of protein from orange seeds <a href="https://doi.org/10.5281/zenodo.726409">https://doi.org/10.5281/zenodo.726409</a> (2022)
Flora of Pakistan: An ethnopharmacological perspective <a href="https://doi.org/10.32593/jstmu/Vol3.Iss1.79">https://doi.org/10.32593/jstmu/Vol3.Iss1.79</a> (2020)

<b>Atti di convegni</b>
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## ALTRE INFORMAZIONI


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.

**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: Messina, 02/10/2024