



AL MAGNIFICO RETTORE  
DELL'UNIVERSITA' DEGLI STUDI DI MILANO

COD. ID: 6775

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

Responsabile scientifico: \_\_\_\_ Prof. De Francesco Raffaele \_\_\_\_

[Nome e cognome]

CURRICULUM VITAE

## INFORMAZIONI PERSONALI

Cognome	Ali
Nome	Ashraf

## OCCUPAZIONE ATTUALE

Incarico	Struttura
Unoccupied	Searching for suitable positions

## ISTRUZIONE E FORMAZIONE

Titolo	Corso di studi	Università	anno conseguimento titolo
Laurea Magistrale o equivalente			
Specializzazione			
Dottorato Di Ricerca	"Management of Innovation in the Agricultural and Food systems of the Mediterranean Regions"	University of Foggia, Italy	December 19, 2022
Master	Biochemistry	Jamia Hamdard, India	2008
Diploma Di Specializzazione Medica			
Diploma Di Specializzazione Europea			
Altro			



## ISCRIZIONE AD ORDINI PROFESSIONALI

Data iscrizione	Ordine	Città
5/07/2023	COST (European Cooperation in Science and Technology)	
2008	Indian Peptide Society	



## LINGUE STRANIERE CONOSCIUTE

lingue	livello di conoscenza
Italian	Basic
English	Advanced
Hindi	Native

## PREMI, RICONOSCIMENTI E BORSE DI STUDIO

anno	Descrizione premio
2008,2009	NET (National Eligibility Test for Lectureship), UGC, India
2008	GATE (Graduate Aptitude Test in Engineering , IIT, India
2008	ICAR SRF-PGS, India
2018	PhD Scholarship, University of Foggia, Italy

## ATTIVITÀ DI FORMAZIONE O DI RICERCA

### descrizione dell'attività

During my Ph.D. I worked on "Detection of Food Fraud in Commercial Fish products through DNA Based methods". During the PhD programme I also worked for 3 months as Visiting Research Fellow at University of Veterinary Medicine Hannover, Germany where I worked on "Development of loop-mediated isothermal amplification (LAMP) assay for rapid and direct screening of yellowfin tuna (*Thunnus albacares*) in commercial fish products.

Earlier I worked as a lecturer and researcher at King Fahd Medical Research Centre, King Abdulaziz University, Jeddah, Saudi Arabia for 6 years. I have completed my B.S. degree in Biotechnology from Patna University, Bihar, India, and followed it with an M.S. degree in Biochemistry at the Hamdard University, New Delhi, India. After finishing my master's degree, I have been involved in diverse research projects at several prestigious institutes in India and Saudi Arabia, which helped me in learning many research techniques in biochemistry and molecular biology. In India, I worked as a Junior Research Fellow at International Centre for Genetic Engineering and Biotechnology, New Delhi, for two years on a research project entitled "development of conformationally preferred peptide immunogens as vaccine candidates against HIV-infection". In this project I worked on solid phase peptide synthesis and its purification by HPLC and generation of antibodies. In Saudi Arabia I worked on a research project entitled "resolving malnutrition status in children affected with sickle cell disease for alleviating health complications". I have gained solid background and practical skills in HPLC, GC-MS, ELISA, PCR, Sequencing, Western blotting, FTIR and Electrophoresis while doing these research projects and considerable exposure to understanding biochemistry and biotechnology.



After completing my Ph.D., I worked as a Research Assistant in the Post Harvest Lab at the University of Foggia on a project involving the chemical, physical, and sensory analysis of fresh-cut fruit and vegetables. This experience aligns well with the requirements of this position. I was responsible for the microbial, chemical, physical, and sensory analysis of fresh-cut fruits and vegetables, including the determination of polyphenols, antioxidants, and other bioactive compounds. I also performed statistical analyses, including one-way and two-way ANOVAs with Excel and R studio. I also performed microbial analysis to see the presence of bacteria and moulds.

## ATTIVITÀ PROGETTUALE

Anno	Progetto
04*04/2022- 04/10/2024 (Research Assistant)	“Analisi chimiche, fisiche e sensoriali sui prodotti ortofrutticoli di IV gamma”, Institute: - University of Foggia, Italy Responsibilities: - Chemical, physical & sensory analysis of fresh-cut fruit and vegetables including determination of polyphenols, antioxidant, peroxide, acidity, vitamin C, HPLC and other non- destructive methods.
5/11/2018- 5/02/2022 (PhD)	Detection of Food Fraud in Commercial Fish products through DNA Based methods Institute: - Department of Sciences of Agriculture, Food, Natural Resources and Engineering (DAFNE), University of Foggia Responsibilities: -Sample collection, DNA isolation, Gel Electrophoresis, PCR, Sanger Sequencing , Manuscript writing
5/10/2021- 15/01/2022 (Visiting Research Fellow)	Development of loop-mediated isothermal amplification (LAMP) assay for rapid and direct screening of yellowfin tuna (Thunnus albacares) in commercial fish products”. Institute: - University of Veterinary Medicine, Hannover Germany Responsibilities: DNA Isolation, LAMP, PCR, qPCR, Gel electrophoresis
2/05/2012- 2/09/2028 (Researcher)	Resolving malnutrition status in children affected with sickle cell disease for alleviating health complications Institute: - King Fahd Medical Research Centre, King Abdulaziz University, Jeddah, Kingdom of Saudi Arabia. Responsibilities: Gas chromatography, Oxidative stress determination by FORT and FORD,



	and inflammatory markers determination by hsCRP and homocysteine
1/03/2010-04/04/2012  (Junior research Fellow Fellow)	Development of conformationally preferred peptide immunogens as vaccine candidates against HIV-infection  Institute: - ICGEB, Aruna Asaf Ali Marg, New Delhi-67  Responsibilities: - Peptide Synthesis & characterization, Native Chemical Ligation, HPLC (Analytical & Preparative), CD, Spectroscopy, FPLC, ELISA, Immunization Studies, Western Blotting, Protein Purification.

## TITOLARITÀ DI BREVETTI

<b>Brevetto</b>

## CONGRESSI, CONVEGNI E SEMINARI

Data	Titolo	Sede
2011	Indian Peptide Symposium	Pune, India
2015	3rd International Genomic Medicine Conference	Jeddah, Saudi Arabia
2019	Joint Meeting of Agriculture-oriented PhD programs organized by University of Catania (UniCT), University of Foggia (UniFG) & University of Udine (UniUD)	Catania

## PUBBLICAZIONI

<b>Libri</b>
<b>Ali, A.,</b> Parisi, A. & Normanno, G. (2022) Polyphenols as Emerging Antimicrobial Agents in <i>Emerging Modalities in Mitigation of Antimicrobial Resistance</i> (Akhtar, N., Singh, K. S., Prerna & Goyal, D., eds) pp. 219-259, <b>Springer International Publishing, Cham.</b>

<b>Articoli su riviste</b>
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<p><b>Ali, A.,</b> Kreitlow, A., Plötz, M., Normanno, G. &amp; Abdulmawjood, A. (2022) Development of loop-mediated isothermal amplification (LAMP) assay for rapid and direct screening of yellowfin tuna (<i>Thunnus albacares</i>) in commercial fish products, <i>PLoS One</i>. 17, e0275452.</p>
<p><b>Ali, A.,</b> Di Taranto, P., Parisi, A., Del Sambro, L., Iannacci, A., Belluscio, D., Debernardis, D. P. &amp; Normanno, G. (2022) A fish market survey using a novel PCR-sequencing-based protocols for the identification of commercial significant fish species, <i>Potravinarstvo Slovak Journal of Food Sciences</i>. 16, 656-669</p>
<p><b>Ali, A.,</b> Parisi, A., Conversano, M. C., Iannacci, A., D'Emilio, F., Mercurio, V. &amp; Normanno, G. (2020) Food-Borne Bacteria Associated with Seafoods: A Brief Review, <i>Journal of Food Quality and Hazards Control</i>. 7, 4-10.</p>
<p>Normanno G, I. A., Donatella B, Valentina M, Daniela D P, <b>Ali A,</b> (2022) Antimicrobial Resistance in the Food Chain: Significance, Risks, Control., <i>EC Microbiology</i>. 18, 49-52.</p>
<p><b>Ali A,</b> Giovanni Normanno, Conversano MC, Tinelli A, Iannacci A, Belluscio D, Petruzzi F, Parisi A. (2021) Foodborne Viruses Associated with Consumption of Shellfish. <i>EC Microbiology</i>, 17,4 : 45-57.</p>
<p>Khan, S., Damanhour, G., Ahmed, T. J., Halawani, S., <b>Ali, A.,</b> Makki, A. &amp; Khan, S. (2022) Impact of omega-3 fatty acids supplementation in children with sickle cell disease in Saudi Arabia, <i>Journal of King Saud University-Science</i>. 34, 101942.</p>
<p>Khan, S. A., Damanhour, G. A., Ahmed, T. J., Halawani, S. H., <b>Ali, A.,</b> Makki, A. &amp; Khan, S. A. (2022) Omega 3 fatty acids - Potential modulators for oxidative stress and inflammation in the management of sickle cell disease, <i>Jornal de Pediatria</i>. 98, 513-518.</p>
<p>Ashraf, G. M., Ebada, M. A., Suhail, M., <b>Ali, A.,</b> Uddin, M., Bilgrami, A. L., Perveen, A., Husain, A., Tarique, M. &amp; Hafeez, A. (2021) Dissecting Sex-related cognition between Alzheimer's disease and diabetes: from molecular mechanisms to potential therapeutic strategies, <i>Oxidative Medicine and Cellular Longevity</i>. 2021.</p>
<p>Khan, S., Damanhour, G., Jameel, T., <b>Ali, A.,</b> Makki, A., Khan, S., Alansari, I., Halawani, S., Zahrani, F. &amp; Alkazmi, M. (2017) Use of rapid biomarking technique to estimate oxidative stress in course dependent children with sickle cell disease in Saudi Arabia, <i>Arab Gulf Journal of Scientific Research</i>. 35, 17-24.</p>
<p>Khan, S., Damanhour, G., Jameel, T., <b>Ali, A.,</b> Makki, A., Khan, S., AlAnsari, I., Halawani, S., Zahrani, F. &amp; AlKazmi, M. (2019) Impact of omega-3 fatty acids on calorie intake and certain anthropometric measurements in children with sickle cell disease in Saudi Arabia, <i>Bioinformation</i>. 15, 189</p>
<p>Khan, S. A., AlSiny, F., Makki, A., <b>Ali, A.,</b> Al Ansari, I. &amp; Khan, S. (2020) Socioeconomic status dependent medical complexities in children with sickle cell disease in Saudi Arabia, <i>Saudi Journal of Biological Sciences</i>. 27, 1781-1787..</p>
<p>Ashraf, G. M., Azhar, A., Zia, Q., <b>Ali, A.,</b> Rehan, M., Owais, M., Alexiou, A., Rauf, A., Ganash, M. &amp; Kamal, M. A. (2018) Relationship between CNS and immunology: correlation with psychology, <i>Current Drug Metabolism</i>. 19, 847-855.</p>
<p>Khan, S., <b>Ali, A.,</b> Khan, S., Bakillah, A., Damanhour, G., Khan, A., Makki, A., AlAnsari, I. &amp; Banu, N. (2018) Current therapies in alleviating liver disorders and cancers with a special focus on the potential of vitamin D, <i>Nutrition &amp; metabolism</i>. 15, 1-18.</p>
<p>Sohrab, S. S., Suhail, M., <b>Ali, A.,</b> Kamal, M. A., Husen, A., Ahmad, F., Azhar, E. I. &amp; Greig, N. H. (2018) Role of viruses, prions and miRNA in neurodegenerative disorders and dementia, <i>Virus disease</i>. 29, 419-433.</p>
<p>Sohrab, S. S., Suhail, M., <b>Ali, A.,</b> Qadri, I., Harakeh, S. &amp; Azhar, E. I. (2018) Consequence of HIV and HCV co-infection on host immune response, persistence and current treatment options, <i>Virus disease</i>. 29, 19-26.</p>
<p>A Sheikh, I., Mirza, Z., <b>Ali, A.,</b> Aliev, G. &amp; Md Ashraf, G. (2016) A proteomics based approach for the identification of gastric cancer related markers, <i>Current Pharmaceutical Design</i>. 22, 804-811.</p>



Ali, A., Suhail, M., Mathew, S., Shah, M. A., Harakeh, S. M., Ahmad, S., Kazmi, Z., Rahman Alhamdan, M. A., Chaudhary, A. & Damanhour, G. A. (2016) Nanomaterial induced immune responses and cytotoxicity, <i>Journal of nanoscience and nanotechnology</i> . 16, 40-57.
.Ali, S., Mondal, N., Choudhry, H., Rasool, M., Pushparaj, P. N., Khan, M. A., Mahfooz, M., Sami, G. A., Jarullah, J. & Ali, A. (2016) Current management strategies in breast cancer by targeting key altered molecular players, <i>Frontiers in Oncology</i> . 6, 45.
Ali, S., Rasool, M., Chaoudhry, H., P. N. P., Jha, P., Hafiz, A., Mahfooz, M., Abdus Sami, G., Azhar Kamal, M., Bashir, S., Ali, A. & Sarwar Jamal, M. (2016) Molecular mechanisms and mode of tamoxifen resistance in breast cancer, <i>Bioinformation</i> . 12, 135-139
Asif, M., Jamal, M. S., Khan, A. R., Naseer, M. I., Hussain, A., Choudhry, H., Malik, A., Khan, S. A., Mahmoud, M. M. & Ali, A. (2016) A novel four-way complex variant translocation involving chromosome 46, XY, t (4; 9; 19; 22)(q25: q34; p13. 3; q11. 2) in a chronic myeloid leukemia patient, <i>Frontiers in Oncology</i> . 6, 124
Khan, S. A., Damanhour, G., Ali, A., Khan, S. A., Khan, A., Bakillah, A., Marouf, S., Al Harbi, G., Halawani, S. H. & Makki, A. (2016) Precipitating factors and targeted therapies in combating the perils of sickle cell disease---A special nutritional consideration, <i>Nutrition &amp; metabolism</i> . 13, 1-12.
M Ashraf, G., Ali, A., Tabrez, S., Kashif Zaidi, S., Shakil, S., Z Alam, M., Rehan, M. & Aliev, G. (2016) Linkage of stress with neuromuscular disorders, <i>CNS &amp; Neurological Disorders-Drug Targets (Formerly Current Drug Targets-CNS &amp; Neurological Disorders)</i> . 15, 321-328.
Ali, A., Ahmed Sheikh, I., Mirza, Z., Hua Gan, S., Amjad Kamal, M., M Abuzenadah, A. & A Damanhour, G. (2015) Application of proteomic tools in modern nanotechnological approaches towards effective management of neurodegenerative disorders, <i>Current drug metabolism</i> . 16, 376-388.
Zakaria, M., Ali, A., Fatima, K., Suhail, M., Mathew, S., Alkarim, S., Azhar, E. & Qadri, I. (2015) Hepatic Cancer Stem Cells and Signaling Pathways, <i>Int J Cancer Clin Res</i> . 2, 017.
Ali, A., Abdel-Hafiz, H., Suhail, M., Al-Mars, A., Zakaria, M. K., Fatima, K., Ahmad, S., Azhar, E., Chaudhary, A. & Qadri, I. (2014) Hepatitis B virus, HBx mutants and their role in hepatocellular carcinoma, <i>World J Gastroenterol</i> . 20, 10238-48. . Fatima, K., Mathew, S., Suhail, M., Ali, A., Damanhour, G., Azhar, E. & Qadri, I. (2014) Docking studies of Pakistani HCV NS3 helicase: a possible antiviral drug target, <i>PLoS One</i> . 9, e106339.
.Khan, S. A., Ali, A., Khan, S. A., Zahran, S. A., Damanhour, G., Azhar, E. & Qadri, I. (2014) Unraveling the Complex Relationship Triad between Lipids, Obesity, and Inflammation, <i>Mediators of Inflammation</i> . 2014, 502749.
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Mirza, Z., Ali, A., A Kamal, M., M Abuzenadah, A., G Choudhary, A., A Damanhour, G. & A Sheikh, I. (2014) Proteomics approaches to understand linkage between Alzheimer's disease and type 2 diabetes mellitus, <i>CNS &amp; Neurological Disorders-Drug Targets (Formerly Current Drug Targets-CNS &amp; Neurological Disorders)</i> . 13, 213-225.
Suhail, M., Abdel-Hafiz, H., Ali, A., Fatima, K., Damanhour, G. A., Azhar, E., Chaudhary, A. G. & Qadri, I. (2014) Potential mechanisms of hepatitis B virus induced liver injury, <i>World Journal of Gastroenterology: WJG</i> . 20, 12462.
Parween, S., Ali, A. & Chauhan, V. S. (2013) Non-natural Amino Acids Containing Peptide-Capped Gold Nanoparticles for Drug Delivery Application, <i>ACS Applied Materials &amp; Interfaces</i> . 5, 6484-6493.



Bag, N., **Ali, A.**, Chauhan, V. S., Wohland, T. & Mishra, A. (2013) Membrane destabilization by monomeric hIAPP observed by imaging fluorescence correlation spectroscopy, *Chemical Communications*. 49, 9155-9157.

## Atti di convegni

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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: \_\_\_\_02/09/2024\_\_\_\_\_, \_\_Foggia,Italy\_\_\_\_\_