

Abdul Rauf SIDDIQI, PhD MBA

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Profile Summary

Worked extensively in R&D sector in France and Pakistan. Have been working as a faculty member, researcher and developer to solve various problems related to biotech, pharmaceutical, agricultural and food industry. Have extensive experience in teaching, project design, management and execution. Ample experience in personnel management, administration and budgeting.

Education

Lahore University of Management Sciences (LUMS) MBA 2014/2015	Jul 13 – Jun 15
INSERM, Paris, France, (French National Institute of Health and Medical Research) Post Doctorate, Structural Bioinformatics	Oct 11 – Mar 12
University of Paris Descartes, France PhD Bioinformatics & Structural Biology	Oct 07 – Sep 11
University of Paris Denis Diderot, France MS Bioinformatics, Drug Design and Development	Jun 06 - Sep 07
University of Arid Agriculture Rawalpindi, Pakistan M.Sc. (Hons.) in Agriculture (Entomology)	
University of Arid Agriculture Rawalpindi, Pakistan B.Sc. (Hons.) in Agriculture (Entomology)	Sep 95 – Aug 99

Certifications/Trainings

• Training: Project Planning, Execution and Management, Paris, France	Oct 07 – Feb 13
• Certificate: Enterprise Operations and Administration, University of Paris Descartes, France.	Jan 11
• Certificate: From Gene to Structure, Studies of Protein Structure and Function, Trieste, Italy	Apr 12

Experience

Work Experience

COMSATS Institute of Information Technology, Islamabad, Pakistan Associate Professor	Jan 02 - Jun 03
<ul style="list-style-type: none">Leading the COMSATS's partnership agenda with Industries such as Makabu®, Elixir® and ICI Pakistan.Managing the COMSATS's collaboration projects, defining input resources, outcomes, purposes and goals for various projects, implementing project management models through 4X4 matrices.Liaising with international funding agencies and writing grant proposals to agencies like UN Food and Agriculture Organization (FAO), Asian Development Bank (ADB) and Higher Education Commission of Pakistan,.Meeting international delegations and research communities, managing international conferences and seminars.Training directing and supervising MS and PhD students in the fields of agro-biotechnology and allied sciences.Ensuring the ISO quality standards at COMSATS and supervising the entire processes of accreditation and registration of various programs with international and national regulatory bodies.	
INSERM, Paris, France, (French National Institute of Health and Medical Research) Scientist (Postdoctoral Fellow/ Research Associate)	Sep 07 – Mar 12
Scientist (Doctoral and Postdoctoral) <ul style="list-style-type: none">Worked with French Pharmaceutical company Sanofi® to discover new drug targets through computational molecular modelling and bioinformatics approachesStudied extensively the 10⁻¹⁰ meter (Å) level details of the mechanisms involved in exclusively selective, targeted medicine molecules.Defined, implemented and accomplished various project goals, outcomes and results.Worked in close collaborations of various European teams	
Pakistan Agricultural Research Council (PARC), Islamabad, Pakistan Scientific Officer	Feb 01 - Apr 06
<ul style="list-style-type: none">Working as deputy manager of an extension and outreach project funded by Food and Agricultural Organization (FAO) aimed at developing environment friendly pest control solutions.Identified potential pesticide molecules from plant derivatives .Designing budgets and maintaining records, working as deputy officer in-charge in that project, 12 people had been working under my charge which included a small secretariat.	

Projects

1. A Computational Approach for Discovering Cure of Cardiovascular Disorders (2.37 Million), NRPU HEC.	In Progress
2. Battle against Cancer: In Silico Discovery of Potential Tyrosine Kinase Inhibitors, NRPU HEC	In Progress
3. Candidates genes hunting for certain autosomal recessive non-syndromic hearing loss (ARNSHL) disorders using biological databases and bioinformatics tool, HEC.	Accomplished
4. Developing Ecofriendly Insecticides at PARC, Islamabad, Pakistan	Accomplished
5. Growing Across Conventional Trade Channels, Abu Dawood Pakistan (ADP) and P&G	

Honors and Awards

- Winner of Postdoctoral Grant, ANR, France ("L'Agence Nationale De la Recherche"). 2011- 2012
- Winner of Scholarship for accomplishing MS and PhD at France, HEC, Pakistan 2007- 2011
- Editor English Section of University Magazine 1998 -1999
- HEC's National Allama Iqbal Shield Declamation Competition at University Level.

PUBLICATIONS

- 1 Riaz, Muhammad Rizwan, Sadaf Abdul Rauf, Roland Lupoli, Muhammad Ather Rafi, Ghulam Jilani, and **Abdul Rauf Siddiqi**. Potential of Turmeric Extract And Its Fractions To Control Peach Fruit Fly (Diptera: Tephritidae). *Ciência e Agrotecnologia* 39, no. 6 (2015): 545-552.
- 2 **Siddiqi AR**, Nioche P, Waseem A, Villoutreix BO: Efficiency of a Hierarchical Docking Protocol for Computational Ligand Screening against Homology Models. *Biomedical Engineering: Applications, Basis and Communications* 2014, 26(02).
- 3 **Siddiqi AR**, Rafi A, Naz F, Masih R, Ahmad I, Jilani G: Effects of Curcuma Longa Extracts On Mortality And Fecundity of Bactrocera Zonata (Diptera: Tephritidae). *Ciência e Agrotecnologia* 2011, 35(6):1110-1114.
- 4 Mustafa, Irfan, Haroon Ahmed, Myda Abrar Lodhi, Abdul Rauf Siddiqi Sher Khan, Waseem Haider, Nazish Bostan, Saira Asif et al. Newcastle disease as an emerging disease in peacocks of Tharparker, Pakistan. *The Journal of Infection in Developing Countries* 9, no. 08 (2015): 914-916.
- 5 **Siddiqi AR**, Jilani G, Rehman J, Kanvil S, Pakistan J: Effect of turmeric extracts on settling response and fecundity of peach fruit fly (Diptera: Tephritidae). *Pakistan Journal of Zoology* 2006, 38(2):131-135.
- 6 Riaz MR, **Siddiqi AR**, Bokhari H: Structural and functional studies of BapC protein of Bordetella pertussis. *Microbiol Res* 2015, 174(0):56-61. Equal Contributions, Co-First Author
- 7 Murtaza G, Sajjad A, Mehmood Z, Shah SH, **Siddiqi AR**: Possible molecular targets for therapeutic applications of caffeic acid phenethyl ester in inflammation and cancer. *Journal of Food and Drug Analysis* 2015, 23(1):11-18.
- 8 Jadoon S, Karim S, Akram MR, Khan AK, Zia MA, **Siddiqi AR**, Murtaza G: Recent Developments in Sweat Analysis and Its Applications. *International Journal of Analytical Chemistry* 2015.
- 9 Waseem A, Shah SA, Sajjad A, **Siddiqi AR**, Nafees M: Human Exposure to Mycotoxins: A Retrospective Review of Leading Toxins and Metabolites in Human Biological Matrices. *J Chem Soc Pakistan* 2014, 36(6):1196-1214.
- 10 Waseem A, Nafees M, Murtaza G, Sajjad A, Mehmood Z, **Siddiqi AR**: Salt Toxicity (Sodium Intake): A Serious Threat to Infants and Children of Pakistan. *Iranian Journal of Public Health* 2014, 43(9):1204-1211.
- 11 Asgher M, Yaqoob M, Nabi A, Murtaza G, **Siddiqi AR**, Waseem A: Flow Injection Photosensitized Chemiluminescence of Luminol with Cu(II)-Rose Bengal: Mechanistic Approach and Vitamin A and C Determination. *International Journal of Analytical Chemistry* 2014.

INTERNATIONAL CONFERENCES

- 12 **Siddiqi AR**, Lupoli R, Freier C, Dimarogona M, Omrane M, Teillet F, Nioche P, Structural Studies of Proteins involved in NO Signaling Pathways. Proceedings of 2ème Journée Scientifique de L' IMTCE Institut Médicament Toxicologie Chimie Environnement, Paris, France. 27 May 2011
- 13 Teillet F, **Siddiqi AR**, Lupoli R, Nioche P, Études structurales de la Guanylate Cyclase soluble, Une enzyme clé du système cardio-vasculaire. Proceedings of Journée ABG-INSERM, Paris, France. 11 Dec. 2009
- 14 Karima T, **Siddiqi AR**, Lupoli R, Jessica H, Nioche P. How a ligand bound molecule of Sensor of Nitric Oxide (SONO) domain activates its corresponding catalytic domain/protein. GTBio Proceedings, Montpellier, France 3-6 April 2012
- 15 **Siddiqi AR**. Structural studies of proteins involved in Nitric Oxide Signaling pathways. IYCR South Asia Summit Meeting On Vistas In Structural Chemistry. April 28-30, 2014, Karachi, Pakistan