

# NADIA ASHRAF

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## PERSONAL PROFILE

**Father's Name:** MUHAMMAD ASHRAF

**NIC:** 31202-0259282-6

## CAREER OBJECTIVE

To get training and work experience in the fields of Molecular Biology and Molecular Medicine. This will enable me to get the expertise to combine my Pharmacy background with Molecular and Cell Biology, which are promising areas of drug discovery and development. Being a Pharmacist I want to gain experience in related fields as well by working in Pharmaceutical industry.

## EDUCATION

### SCHOLARSHIPS EARNED

French Embassy sandwich PhD scholarship in 2009, October and got Structural Biology Training for 9 months at **European Molecular Biology Labs, EMBL; Grenoble, France** in Dr. Imre Berger's Lab and worked on the following project  
**Single-chain Construction** of the basal transcription machinery: TFIIA, TBP, TFIIB (Duration ~ a year)

### 1<sup>ST</sup> PRIZE EARNED Poster

ASHRAF N. Rafat Siddique & M. iqbal Choudhary: A Study of Angiogenesis in Inhibitory Potential of Natural and Synthetic Compounds Against Angiogenesis in Brain Cancer Cell Lines and the Role of Transcription Factors in Cancer Development. 4<sup>th</sup> International Symposium and Workshop-Cum-Training on Molecular Medicine and Drug Research University of Karachi, 2012

### IELTS SCORE Degree to be Earned

7.0

### Ph. D. in Molecular Medicine

Dr Panjwani Center for Molecular Medicine and Drug research,  
International Center for Chemical and Biological Sciences,  
University of Karachi, Karachi-75270

### Degree Name University Division Session

### B-Pharmacy

Islamia University Bahawalpur

1<sup>st</sup> Division

2001 – 2005

### Degree Name University Division Session

### B.Sc

Islamia University Bahawalpur

1<sup>st</sup> Division

2004

### Degree Name Level Attained

### F.Sc

High School

Division

1<sup>st</sup> Division (72.36%) "A" grade

Board

Board of Intermediate & Secondary Education Bahawalpur

Session

2001

### Degree Name Level Attained

### Matriculation

Matriculation

Division

1<sup>st</sup> Division (79.41%) "A" grade

Board

Board of Intermediate & Secondary Education Bahawalpur

Session

1998

## **TECHNICAL EXPERTIES**

1. Protein estimation by Lowry's method
2. Biogenic amine's determination by HPLC
3. Superior Cervical Ganglion isolation from Rat
4. Basic Cell Culture Techniques
5. Enzyme Inhibition Assay protocol optimization
6. High throughput screening protocol development
7. SDS-PAGE
8. Cloning
9. Expression in prokaryotes and eukaryotes (Insect Cells sf21)
10. Purification using FPLC and structural characterization of Proteins by AUC
11. Lab Organization and Maintenance following ISO 9001 requirements

## **M.PHIL COURSES IN MOLECULAR MEDICINE**

### **Courses**

1. Biochemistry, Cellular and Molecular Biology
2. Microbiology and Immunology
3. Molecular Genetics and Biotechnology
4. Basic Pharmacology
5. Techniques in Molecular Medicine I & II
6. Biostatistics
7. Mathematics
8. Basic Computer Learning Course
9. English

## **Ph. D. CREDIT HOURS IN MOLECULAR MEDICINE**

Completed 18 Credit hours

Transcript can be provided on demand

## **CONFERENCES AND SYMPOSIAS**

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|-------------|---|
| <b>2009</b> | 2 <sup>nd</sup> International Symposium-Cum-Training Course on Molecular Medicine and Drug Research, January 12-15, 2009, Organized by Dr Panjwani center for Molecular Medicine and Drug Research (International center for chemical and biological sciences) University of Karachi, Karachi-75270                                     |
| <b>2008</b> | 11 <sup>th</sup> International Symposium on Natural Product Chemistry, 29 <sup>th</sup> October to 1 <sup>st</sup> November, 2008, International Center for Chemical and Biological Sciences (H.E.J Research Institute of Chemistry, Dr. Panjwani Center for Molecular Medicine and Drug Research, University of Karachi, Karachi-75270 |
| <b>2007</b> | First IBRO School of Neuroscience-Pakistan, March 26-30, 2007, Karachi. Jointly organized by Dr Panjwani center for Molecular Medicine and Drug Research (International center for chemical and biological sciences) University of Karachi and The Aga Khan University, Karachi   |

- 2007** 1st International Symposium Workshop-cum-Training Course on Molecular Medicine and Drug Research. January 16-30, 2007, Karachi-Islamabad). Organized by Dr. Panjwani Center for Molecular Medicine and Drug Research, University of Karachi, Pakistan and organization of Islamic Conference Standing Committee on Scientific and Technological Cooperation (COMSTECH), Islamabad, Pakistan.
- 2006** 10<sup>th</sup> International Symposium on Natural Product Chemistry, January 6-9, 2006, Organized by the International Center for Chemical Sciences, University of Karachi, Karachi-75270, Pakistan

## **POSTER PRESENTATION**

- 2007** ASHRAF, N. and SURIA, A: A study of Neuronal-Glial interaction. 1<sup>st</sup> International Symposium and Workshop-Cum-Training Course on Molecular Medicine and Drug Research University of Karachi, January 16-30, 2007
- 2012** ASHRAF N. Chaudhry & M. iqbal Choudhary: A Study of Inhibitory Potential of Natural and Synthetic Compounds Against Angiogenesis in Brain Cancer Cell Lines and the Role of Transcription Factors in Cancer Development. 4<sup>th</sup> International Symposium and Workshop-Cum-Training on Molecular Medicine and Drug Research University of Karachi, 2012

## **CURRENT ACTIVITY**

1. Writing up thesis for Ph. D.,
2. Applying for postdoc positions
3. Also involved in Field surveys of Internal Sindh Related to under Supervision of Prof. Dr. M. Iqbal Choudhary, Sindh Government Project.
  - A) Women Related Diseases Project (Covered Sindh Province)
  - B) Skin Disease Project

## **PUBLICATION**

Polyunsaturated Fatty acids from Leaves of *Clerodendrum volubile* induces Cell Cycle Arrest, inhibits Matrix Metalloproteinase (MMP)-9 Expression, and modulates Redox Status in Human Breast Cancer Cell lines. (submitted getting reviewer's comments)