

Dr. MUHAMMAD IMTIAZ SHAFIQ

M.Sc. (Biochemistry), M.Phil. (Molecular Biology/Biochemistry), Ph.D. (Biochemistry)

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SUMMARY

- Teaching and research experience at University of the Punjab for more than 10 years
- Four year PhD research experience at University of Leicester, UK
- Demonstrating and teaching experience at University of Leicester, UK during PhD
- Proficient in the use of MS Office, Windows, Linux, Unix and Macintosh OS X

EDUCATIONAL PROFILE

Ph.D. in Biochemistry from Department of Biochemistry, University of Leicester, United Kingdom (April 2011)

M.Phil. in Biochemistry/Molecular Biology from Department of Biological Sciences, Quaid-i-Azam University, Islamabad (2003)

M.Sc. in Biochemistry from Institute of Biochemistry and Biotechnology, University of the Punjab, Lahore, Pakistan (2000)

Bachelor of Science (B.Sc.) in Chemistry, Physics and Mathematics from University of the Punjab Lahore (1998)

F.Sc. from Board of Intermediate and Secondary Education Faisalabad (1995)

Matriculation from Board of Intermediate and Secondary Education Gujranwala (1992)

EMPLOYMENT HISTORY AND PROFESSIONAL EXPERIENCE

- Assistant Professor, Institute of Biochemistry and Biotechnology, **University of the Punjab**, Lahore (BPS-19) 10/2013 -To date
- Assistant Professor, Institute of Chemistry, **University of the Punjab**, Lahore (BPS-19) 06/2011 - 10/2013
- Lecturer, Institute of Chemistry, **University of the Punjab**, Lahore (BPS-18) 04/2004 - 06/2011
- Lecturer, Institute of Biochemistry and Biotechnology, **University of the Punjab**, Lahore (On Contract Basis) 11/2002 - 04/2004

COMPETITIVE HONORS/AWARDS

- PhD merit scholarship “HEC faculty development scholarship for University of the Punjab Faculty”
- Merit scholarship for M.Phil from Quaid-i-Azam, University, Islamabad

RESEARCH PUBLICATIONS:

- **Shafiq, M. I.**, Steinbrecher, T. & Schmid, R. FASCAPLYSIN as a Specific Inhibitor for CDK4: Insights from Molecular Modelling. PloS one 7, e42612 (2012).
- Javed, A., Akram, M. & **Shafiq, M. I.** Dielectric properties of cholesterol derivatives. ROMANIAN JOURNAL OF PHYSICS 51, 819-826 (2006).
- **Shafiq M. I.**, Nagra, S. A., Batool, N. Biochemical and Trace Mineral Analysis of Silajit Samples From Pakistan. Nutritional Sciences 9, 190–194 (2006).
- Batool, N., Nagra, S. A., **Shafiq, M. I.** Incidence of Iron Deficiency Anemia in Day Scholar University Girls as Affected by Socioeconomic Status. Nutritional Sciences 7, 218-222 (2004).
- **Ph.D. Thesis** “Molecular Modelling and Bioinformatics studies on CDK4 and related proteins”
- **M.Phil. Thesis** “Transformation" of *Solanum tuberosum* Cv. Desiree by *agrobacterium* carrying insect resistance gene”
- **M.Sc. Thesis** “Physical, Biochemical and Trace Mineral analysis of some "Silajit" samples available in Pakistan”

PROFESSIONAL SKILLS & LAB EXPERIENCE

- Molecular Modelling
- PERL and other Bioinformatics Tools.
- SDS-PAGE and other electrophoretic techniques
- HPLC
- PCR
- Analytical methods for the study of enzyme reactions
- And other routine techniques of Molecular Biology, Biochemistry and Chemistry

TRAININGS AND CONFERENCES ATTENDED

- International Conference on Environmental Issues of Sindh and their Remedies (ICEISR 2014) April 09-10, 2014, **Khairpur, Pakistan**
- 2nd International Conference on Environmental Horizon Greening The Blue January 2014 **Karachi Pakistan**
- 11th PSBMB International Conference 2013, **Lahore, Pakistan**
- 12th International and 24th National Chemistry Conference jointly with the Chemical Society of Pakistan at University Campus on October 28 - 30, 2013 **Multan, Pakistan**
- Participated in a training workshop entitled “Advanced Topics in Computational Biology Agrochemical & Drug Design” April 1-6, 2012 **Campinas, Brazil**
- Attended the Leicester GRADschool 2009, University of Leicester, **Leicester, UK**
- Poster presentation at Festival of Post Graduate Research, 2009 **Leicester, UK**
- Three days training workshop on Mass Spectrometry Aug7-9, 2006, **Karachi, Pakistan**
- International Workshop-cum-Training course on Natural Products, Drugs, Pharmaceuticals and Nutraceuticals for the Benefit of mankind. Feb. 10-19, 2006, **Karachi, Pakistan**

- National Faculty Development Program Sep. 6-10 2004, **Lahore, Pakistan**
- 8th Biennial PSBMB International Conference 7-9 Feb 2005, **Karachi Pakistan**
- International Nutrition Conference 1-2 December, 2004, **Lahore, Pakistan**
- 7th PSBMB International Conference 4-6 April, 2003, **Lahore, Pakistan**

PROFESSIONAL MEMBERSHIP

- Life Member Pakistan Chemical Society
- Life member Pakistan Society of Biochemistry and Molecular Biology
- Life Member Pakistan Society for Advancement of Science
- Student Member, Royal Society for Biochemistry, UK 2009-2010
- Executive Member Pakistan Society of Biochemistry and Molecular Biology 2007-2008

COMPUTER SKILLS

- Proficient in the use of MS Office, Windows Linux, Unix and Macintosh OS X
- Experience of developing html and php based websites
- Proficient in handling blogs and micro-blogs

LANGUAGES

Proficiency (0=Poor - 10=Excellent)

English=9, French=2, Urdu=9, Punjabi=9

REFERENCES

Prof. Dr. Mujahid Kamran,

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Prof. Dr. Makshoof Athar

Director,

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