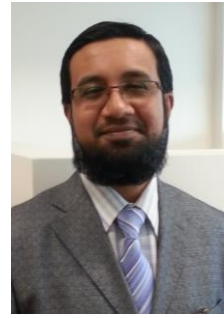


## Curriculum Vitae: Dr. Nasir Ali Afsar

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## I. PERSONAL DATA



Name Dr. Nasir Ali Afsar

Father's Name: (Late; Dr.) Noor-ul Afsar

Date of Birth: April 8<sup>th</sup>, 1975

Nationality: Pakistani

Qualification: MBBS, M.Phil (Pharmacology), Ph.D (Pharmacology)

Occupation: Medical Practitioner, Pharmacologist.

PMDC Reg. No. 34265 – S.

Current Position: **(1)** Senior Lecturer of Pharmacology at Alfaisal University, Riyadh.  
**(2)** Visiting Associate Professor of Pharmacology at Jinnah Medical and Dental College, Karachi.

Office Address: College of Medicine, Alfaisal University, P.O Box 50927,  
Takhassusi Road, Al-Ma'athar Area, Riyadh-11533, Saudi Arabia.

Home Address: Apartment 71, Building 1, Askaan- Al-Maathar (Askaan Kuwaiti),  
Dabbab Road, Riyadh, Saudi Arabia.

Permanent Address: 330/ A, Pirzada Mohallah, Opp. UBL, Matiari, P.O. Matiari, Dist.  
Matiari, Div. Hyderabad, Post code 70150.

Marital Status: Married; two children. The wife is Lecturer in Biochemistry at  
College of Medicine, Alfaisal University, Riyadh, KSA.

Interests: Pharmacology, Medicine, Medical Education, Clinical Skills,  
Reading, Travel, History, Language, Art & Craft.

Travel: Bangladesh, Canada, Germany, Singapore, Thailand, Turkey,  
United Kingdom, United Arab Emirates.

Tel #: *Off.* +966-11-2157679  
*Cell.* +966-50-9126157 +92-333-3499 670

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Websites: [http://www.alfaisal.edu/faculty\\_staff/cv/nasir%20afsar.htm](http://www.alfaisal.edu/faculty_staff/cv/nasir%20afsar.htm)  
<http://pk.linkedin.com/in/nasiraliafsar> (with sample lectures)

## II. PROFESSIONAL MEMBERSHIP

**2012 to date** Full Membership of British Pharmacological Society, London.

## III. EDUCATIONAL BACKGROUND

- 2013** *MMedEd* **(In progress) as distance learning scholar**  
University of Dundee, UK.
- 2012** *MERC* **Medical Education Research Certificate**  
Association of American Medical Colleges.
- 2011** *Ph.D.* **Doctor of Philosophy in Pharmacology**  
Ziauddin University, Karachi; ***Summa cum laude***. The project addressed the pharmacogenetics of cyclophosphamide in breast cancer. The bench work was undertaken at University of Kiel, Germany.
- 2005** *M. Phil* **Master of Philosophy in Pharmacology**  
Ziauddin Medical University, Karachi, Pakistan. The minor subjects included Biochemistry and Anatomy.
- 1997** *MBBS* **Bachelor of Medicine & Bachelor of Surgery**  
Liaquat Medical College (now Liaquat University of Medical and Health Sciences) Jamshoro, Sindh, Pakistan, in ***First Division***, with **distincion** in Anatomy, Pharmacology, Forensic Medicine, and Gynecology & Obstetrics.
- 1991** *HSC* **Higher Secondary School Certificate Examination**  
Public School Hyderabad, Sindh, Pakistan, in ***Grade A-1*** (83%).

## IV. HONOR/AWARD IN PROFESSIONAL EDUCATION

- 1999** **Principal's Gold Medal** in Pharmacology, in MBBS, Liaquat Medical College (now LUMHS) Jamshoro, Sindh, Pakistan.

## V. SCHOLARLY ACTIVITY

### a) Postdoctoral Research, 2012 to date.

In the absence of a formal Postdoctoral Fellowship Program at the current place of employment and research, independently managed post-doctoral research commenced with the award of two research grants at Alfaisal University. Some institutions in Pakistan, Saudi Arabia and Germany are currently in collaboration.

One of the projects extends further the doctoral research outcomes and is expected to find an interplay between (a) the cyclophosphamide metabolic ratio, (b) genotypes of drug metabolizing enzymes and ABC transporters and (c) long-term chemotherapeutic benefit in breast cancer.

Another project investigates iatrogenic leukopenia as a prognostic marker in breast cancer and possibly other cancers.

An additional project seeks genotyping of selected drug metabolizing enzymes and ABC transporters in healthy individuals in Pakistan that could give an insight of this so far unrepresented population.

The fourth collaborative project (*not* as a principal investigator) is in progress at Centre hospitalier universitaire Sainte-Justine (CHU-SJ), University of Montréal, Montréal, Canada with Professor Ali Ahmad.

### b) Ph.D in Pharmacology, 2006 to 2011.

This was the first Ph.D project registered at Ziauddin University, Karachi in Pharmacology as well as her first international research collaboration.

***Thesis:** Cyclophosphamide Metabolic Ratio and Bone Marrow Toxicity as Influenced by Drug Metabolizing Enzyme and ABC Transporter Genotypes. 2011. Ziauddin University, Karachi.*

The project addresses the pharmacogenetics of breast cancer. The Higher Education Commission, Government of Pakistan funded the project under International Research Support Initiative Program. The bench work was conducted at Institut für Experimentelle und Klinische Pharmakologie,

Universitätsklinikum Schleswig-Holstein, Christian-Albrechts Universität (Institute for Experimental and Clinical Pharmacology, University Hospital CA University) Kiel, Germany under Prof. Dr. med Dr. rer nat. Ingolf Cascorbi. Prof. Cascorbi also chairs European Association of Clinical Pharmacology and Therapeutics since 2007 apart from being member of various professional bodies in Germany.

The two foreign external reviewers (from Western Europe) rated the thesis as '*summa cum laude*'.

**c) M.Phil in Pharmacology, 2001 to 2005.**

This and another colleague's projects were the first M.Phil projects in Pharmacology at Ziauddin University.

***Thesis:*** Afsar NA, Barakzai Q, Adil SN. *Comparative Study of Hormonal Contraceptives Affecting Blood Coagulation Parameters in Healthy Women. 2005. Ziauddin Medical University, Karachi.*

The M.Phil project revolved around the oral contraceptives and thromboembolism. The project was conducted under supervision of Prof. Qamar Barakzai, then Chairman, Department of Pharmacology, Ziauddin Medical College in collaboration with Dr. Salman Naseem Adil, Consultant Hematologist and Bone Marrow Transplant Specialist, at Clinical Laboratory, Aga Khan University Hospital, Karachi.

**d) Publications.**

- 1) **2011;** Afsar NA, Ufer M, Haenisch S et al. Relationship of drug metabolizing enzyme genotype to plasma levels as well as myelotoxicity of cyclophosphamide in breast cancer patients. *Eur J Clin Pharmacol* 68 (4):389-95. [Epub 2011 Oct 20].
- 2) **2010;** Afsar NA, Haenisch S, Mateen A et al. Genotype Frequencies of selected Drug Metabolizing Enzymes and ABC Drug Transporters among Breast Cancer Patients on FAC Chemotherapy. *Basic Clin Pharmacol Toxicol* 107 (1):570-6.

- 3) **2010**; Afsar NA, Kulsoom B, Mateen A et al. Breast Cancer Pattern and Chemotherapy Response - an Institutional Study in Pakistan. Asian Pac J Cancer Prev, 11 (3):825-30.
- 4) **2008**; Afsar NA, Barakzai Q, Adil SN. Effect of low dose oral pill on hemostatic parameters in a set of Pakistani population. J Pak Med Assoc. 58(5): 229-33.
- 5) **2007**; Afsar NA. Homeopathy – Much Ado About Nothing. J Pak Med Assoc. 57(5): 275. Available online at <http://jpma.org.pk/ViewArticle/ViewArticle.aspx?ArticleID=1104>
- 6) **2005**; Afsar NA, Barakzai Q, Adil SN. Effect of a 'progestin only' contraceptive on platelet aggregation in a Pakistani set of population. J Ayub Med Coll. 17(3):21-25.
- 7) **2004**; Afsar NA, Barakzai Q, Adil SN. Use of norethisterone oenanthate and predisposition to thrombosis. J Coll Physicians Surg Pak. 14(9):556-59. Reprint available on request.

**e) Abstracts/ Presentations.**

Lecturing through Powerpoint presentations is a constant feature with more than 250 lectures delivered at Ziauddin University, Karachi and Alfaisal University, Riyadh so far.

Frequent presentations remained an integral part of teaching and research at Ziauddin University. To date, more than 30 presentations based on contemporary research in weekly Journal Club at Ziauddin University, Karachi are on credit.

Additionally, presentations made in symposia and conferences are given below:

**2013 Jan:** Abstract and poster presentation as co-author (Positive influence of PBL over Clinical Acumen: *Medical students' insight at a new medical college in Saudi Arabia*) at 10<sup>th</sup> Asia Pacific Medical Education Conference (APMEC), held during January 16-20, 2013 at Singapore.

**2012 Nov:** Abstract and poster presentation (*Lessons to learn - breast cancer treatment - an institutional experience from a developing country*)

at 8<sup>th</sup> National Cancer Research Institute, held during November 4-7, 2012 at Liverpool, United Kingdom.

**2012 Apr:** Abstract and oral presentation as co-author (*Medical students' insight about problem-based learning at Alfaisal University, Riyadh*) at Saudi International Medical Education Conference, 2012, held during April 22-26, 2012 at Riyadh, Saudi Arabia. The activity was accredited by Saudi Commission for Health Specialities.

**2012 Apr:** Abstract and E-poster presentation as co-author (*Relationship of PBL Activity to Test Scores in a PBL-bases Curriculum*) at Saudi International Medical Education Conference, 2012, held during April 22-26, 2012 at Riyadh, Saudi Arabia. The activity was accredited by Saudi Commission for Health Specialities.

**2010 Apr:** Abstract accepted for oral presentation (*Systemic Exposure to 4-Hydroxycyclophosphamide as influenced by Drug Metabolism Genotype among Breast Cancer Patients*) at BIT's World Cancer Congress, 2010, to be held during April 25-27, 2010 at Shanghai, China. (This could not be presented due to Chinese visa issues).

**2009 Dec:** Co-author of a synopsis titled 'Nanomolecular Transport System: Models for Gene and Drug Delivery' delivered by Prof. HR Ahmad, then Dean, Postgraduate Studies, Ziauddin University, Karachi at University of Hyderabad (UoH), India. UoH has been ranked No. 1 according to SCOPUS [Current Science. 2009 Sep 25; 97(6)] in the region.

**2009 Oct:** Abstract and oral presentation (*Genotype Frequencies of selected Drug Metabolizing Enzymes and A.B.C. Drug Transporters among Breast Cancer Patients on F.A.C. Chemotherapy*) at 19<sup>th</sup> Medical Research Society of Pakistan Meeting, held at University of Health Sciences Lahore in collaboration with Shaukat Khanum Memorial

Hospital & Research Center, Lahore, Pakistan. The talk was accredited by American Academy of Continuing Medical Education.

**2005 Oct:** Abstract and poster presentation (related to M.Phil project) at 18<sup>th</sup> FAOBMB (Federation of Asian and Oceanian Biochemists and Molecular Biologists) Symposium held at Lahore, Pakistan.

**2004 Nov:** Abstract and poster presentation (related to M.Phil project) at 17<sup>th</sup> FAOBMB Symposium held at Bangkok, Thailand.

**1996:** Joint presentation in 'Clinico-Pathological Conference on Schimdt Syndrome' as a medical student under auspices of Department of Medicine, Liaquat Medical College (now LUMHS), Jamshoro, Pakistan during MBBS studies.

**f) Invited Assignments.**

**2013, Oct:** Invited lecture in Cancer Pharmacogenetics (*Drug Metabolizing Enzyme Genotype predicts plasma clearance and myelotoxicity of cyclophosphamide in Cancer Patients*) at Centre hospitalier universitaire Sainte-Justine (CHU-SJ), University of Montréal, Montréal, Canada.

**2011, Nov:** Invited lecture in Basic Sciences Section at 10<sup>th</sup> Shaukat Khanum Memorial Cancer Symposium (*Oxidative Stress: Implications for Cancer Chemotherapy*) at Pearl Continental Hotel, during November 18-20, 2010 at Lahore, Pakistan.

**2010, Nov:** Invited lecture in Basic Sciences Section at 9<sup>th</sup> Shaukat Khanum Memorial Cancer Symposium (*Drug Metabolizing Enzyme Genotypes and Chemotherapeutic outcomes*) at Pearl Continental Hotel, during November 26-28, 2010 at Lahore, Pakistan.

**2010, Sep:** Chief Guest and Judge/Evaluator at 2<sup>nd</sup> Year BDS student presentations (*Malaria*), on September 14, 2010 at Altamash Institute of Dental Medicine, Karachi, Pakistan.



**g) Workshops/ Seminars/ Symposia.**

- 2013 May:** Clinical Skills Curriculum Development "After the curriculum, what is next? - Metrics, Standard, Validation, High Stakes Testing & Certification" – Prof. Richard Satava at King Saud University, Riyadh, Saudi Arabia.
- 2013 Jan:** SP Methodology by ASME, organized at 10th Asia Pacific Medical Education Conference (APMEC), held during January 16-20, 2013 at NUS, Singapore.
- 2012 Apr:** Objective Structured Clinical Examination (OSCE) for formative and summative assessment, organized at Saudi International Medical Education Conference, 2012, held during April 22-26, 2012 at Riyadh, Saudi Arabia. The activity was accredited by Saudi Commission for Health Specialities.
- 2011 Apr:** Workshop for METIman® (a clinical skill mannequin) utility in undergraduate medical curriculum, organized by METIman® and Alfaisal University, Riyadh, Saudi Arabia.
- 2010 Dec:** Medical Education Workshop, Jointly organized by Alfaisal University, Riyadh, KSA and Partner Harvard Medical Institutes, Boston, USA.
- 2010 Dec:** Key Performance Indicator Familiarization, Alfaisal University, Saudi Arabia. Won a cellphone for being an early responder; no early-responder prize was pre-announced.
- 2010 May:** 'Clinical Trials' held at Pakistan Medical Association, Karachi.
- 2009 Dec:** '2<sup>nd</sup> Seminar on Laboratory Biosafety' held at Aga Khan University, Karachi, Pakistan with collaboration of Pakistan Biological Safety Association and Biosecurity Engagement Program US State Department.

- 2009 Oct:** '19<sup>th</sup> Medical Research Society of Pakistan Meeting' held at University of Health Sciences and Shaukat Khanum Memorial Hospital & Research Center, Lahore, Pakistan.
- 2009 Jun:** 'Communication Skills' Ziauddin University, Karachi, Pakistan.
- 2007 Feb:** '1st National Pakistan Proteomics Society Life Sciences–HEC Workshop' at Department of Biochemistry, University of Karachi, Karachi, Pakistan.
- 2006 May:** 'Horizons in PCR': under auspices of Baqai Institute of Hematology, Baqai Medical University, Karachi, Pakistan.
- 2004 Nov:** '17<sup>th</sup> Federation of Asian and Oceanian Biochemists and Molecular Biologists (FAOBMB) Symposium' held at Bangkok, Thailand.
- 2003 Oct:** 'Bioassay and Pharmacological Techniques for Drug Development': under auspices of South Asian Association for Regional Cooperation/ HEJ Research Institute of Chemistry, University of Karachi, Karachi, Pakistan.
- 2003 Feb:** 'Health – A Fundamental Human Right': under auspices of Pakistan Society of Physicians, Karachi, Pakistan.
- 2002 Sep:** 'Diagnostic Interpretation of ECG': under auspices of Pakistan Society of Physicians/ Pakistan Cardiac Society/ Department of Family Medicine, Ziauddin Medical University, Karachi, Pakistan.
- 2002 May:** 'Information Handling in Health Sciences and Promotion of Networking in Medical Libraries': under auspices of Pakistan Scientific and Technological Information Center/ Ziauddin Medical University/ Medical Libraries Association of Pakistan, Karachi, Pakistan.
- 2001 Sep:** 'Recent Developments in Medicine': under auspices of Pakistan Society of Physicians, Karachi, Pakistan.

**1999 Jul:** 'CME Workshop on Women's Health': under auspices of College of Physicians and Surgeons Pakistan/ Women's Health/ World Bank, Hyderabad, Pakistan.

**1999 May:** 'Recent Developments in Surgery and Gastroenterology': under auspices of Pakistan Society of Gastroenterology and G.I. Endoscopy, Hyderabad, Pakistan.

**1996:** 'Clinico-Pathological Conference on Schimdt Syndrome': under auspices of Department of Medicine, Liaquat Medical College (now LUMHS), Jamshoro, Pakistan.

#### **h) Reviewer/Editorial Board Experience:**

**Member Editorial Board:** "Vascular Cell", a UK based, open access journal (as part of the BioMed Central series) that publishes original research and timely reviews on recent advances in the understanding of the processes responsible for neovascularisation and pathological angiogenesis.

#### **Refereed Reviewer:**

- Journal of Pakistan Medical Association.
- African Journal of Pharmacy and Pharmacological Research
- International Research Journal of Microbiology.

## **VI. PROFESSIONAL BACKGROUND/ EXPERIENCE**

**2013 Sep – 2014 Jan:** Appointed as Director, Professional Clinical Skills Course for undergraduate medical students Year-2 at College of Medicine, Alfaisal University, Riyadh, Saudi Arabia.

**2013 May:** Appointed as Visiting Faculty of Pharmacology at Faculty of Medicine, Ataturk University, Erzurum, Turkey.

**2012 Jul, to date:** Appointed as Visiting Associate Professor of Pharmacology at Jinnah Medical and Dental College, Shaheed-e-Millat Road, Karachi, Pakistan.

- 2011 Dec-2012 Jun:** Head, PBL Task Force for Phase-2 Medical Curriculum, at College of Medicine, Alfaisal University, Riyadh, Saudi Arabia.
- 2010 Oct, to date:** Appointed as Senior Lecturer of Pharmacology at College of Medicine, Alfaisal University, Riyadh, Saudi Arabia.
- 2012 Mar-2012 Jun:** Coordinator, Problem Based Learning for Phase-2 (Spring Semesters 4 & 6, MBBS Program) Medical Curriculum, at College of Medicine, Alfaisal University, Riyadh, Saudi Arabia.
- 2011 Oct-2012 Feb:** Coordinator, Problem Based Learning for Phase-2 (Fall Semester 5, MBBS Program) Medical Curriculum, at College of Medicine, Alfaisal University, Riyadh, Saudi Arabia.
- 2011 Oct-2012 Jun:** Coordinator, Clinical Skills for Phase-2 Medical Curriculum, at College of Medicine, Alfaisal University, Riyadh, Saudi Arabia.
- 2010 Apr-2010 Sep:** Promoted to Associate Professor in Pharmacology at Department of Pharmacology, Ziauddin Medical College, Ziauddin University, Karachi, Pakistan.
- 2010 Jan:** Appointed as External Examiner in Pharmacology for 2<sup>nd</sup> Professional BDS Annual Examination at Altamash Institute of Dental Medicine, Karachi.
- 2009-2010:** Remained a mentor for journal article reading course/ critical appraisal of literature at Ziauddin University Karachi. The program was under patronage of Prof. H.R. Ahmad, then Dean Postgraduate Research Program.
- 2008 Apr-2010 Sep:** Member, Capital Equipment Committee, Ziauddin University, presided by Professor Serajuddaula Syed.
- 2009 Jul:** Appointed as External Examiner in Pharmacology for 2<sup>nd</sup> Professional BDS Supplementary Examination at Altamash Institute of Dental Medicine, Karachi.
- 2009 Feb – May:** Officer Incharge, Research Laboratory, Ziauddin University under Professor HR Ahmad, then Dean Postgraduate Studies. The task

was to establish a core research laboratory at ZU. The facility consisted of HPLC, Powerlab® and PCR.

**2006 Jun–2008 Aug:** Coordinator, weekly Journal Club, an integral part of M.Phil/ Ph.D Program at ZU.

**2006 Apr–2007 Nov:** Integration and implementation of 3<sup>rd</sup> year MBBS academics as Term Incharge. Three consecutive terms (Term VI – Batch IX, Term V & VI – Batch X) were given for coordination, contrary to only one in a year to any faculty member.

**2005 Mar–2010 Mar:** After completion of M.Phil, promoted to Assistant Professor in Pharmacology at Department of Pharmacology, Ziauddin Medical University (now Ziauddin University), Karachi, Pakistan.

Active participation in facilitation/ teaching of medical and pharmacy students continued in accordance with principles of andragogical learning. Coordination of various modular courses for medical students also continued.

**2001 Feb–2005 Feb:** Worked as a Lecturer in Pharmacology and candidate of M. Phil in the Dept. of Pharmacology, Ziauddin Medical University (now Ziauddin University), Karachi, Pakistan. Actively participated in student oriented learning of integrated concepts in the form of PBLs (problem-based learning) sessions, Programmed Lectures apart from delivering didactic lectures not only in Pharmacology but also in Pathology, Forensic Medicine and Toxicology.

Also coordinated various modular courses for medical students in years 1, 2 and 3, including Cell Biology and Genetics, Embryology, Nervous System, Circulatory System, General Pharmacology and Pathology, Autonomic and Neuropharmacology, Pharmacology of Cardiovascular System, Respiratory and GI Tracts, Chemotherapy of Infections and Neoplasia, Autacoids and Immunopharmacology among others.

**2001 Oct–2002 Aug:** Worked as Quality Controller (evening shift), Paktrans Medical Transcription Company, Karachi, Pakistan.

**2000:** Promoted to Lecturer in the Dept. of Pharmacology, Faculty of Medicine and Allied Medical Sciences at Isra University Hyderabad, Pakistan.

During the tenure remained actively involved in departmental coordination and teaching various subjects, including Pharmacology, Toxicology and Histology at Isra University, Hyderabad, Pakistan for more than a year.

**1999 Sep:** Appointed as demonstrator in the Dept. of Pharmacology, FMAMS at Isra University Hyderabad, Pakistan.

**1998 Sep–1999 Aug:** House Job (Medical Internship) at Liaquat Medical College (now LUMHS) Hospital Hyderabad/ Jamshoro, Sindh, Pakistan, in Medicine, Paediatrics and General Surgery.

## **VII. TEACHING/TRAINING**

### **Ataturk University, Erzurum, Turkey (*Undergraduate*):**

- Pharmacology lectures for undergraduate medical students in year 2 and 3, including General Pharmacology, Autacoids, Toxicology, Neuropharmacology.

### **Alfaisal University, Riyadh, Saudi Arabia (*Undergraduate and Postgraduate*):**

- Pharmacology lectures for undergraduate medical students in year 2 and 3.
- PBL (Problem Based Learning) sessions encompassing, Anatomy, Pathophysiology, Biochemistry, Pharmacology.
- Professional Clinical Skills encompassing medical history taking, systemic review, general and systemic physical examination.
- Masters in Biomedical Sciences – a joint program of Alfaisal University and King Faisal Specialist Hospital and Research Center, Riyadh.

**Ziauddin University, Karachi, Pakistan (*Undergraduate and Postgraduate*):**

- General Pharmacology and Pathology, Autonomic and Neuropharmacology, Pharmacology of Cardiovascular, Respiratory and GI Systems, Chemotherapy of Infections and Neoplasia, Autacoids and Immunopharmacology among others.
- Cell Biology and Genetics, Embryology, Nervous System, Circulatory System,

**Isra University, Hyderabad, Pakistan:** Pharmacology, Toxicology and Histology for undergraduate medical students.

**VIII. MISCELLANEOUS ACTIVITIES:**

- i. Remained active member and office bearer of Matiari Medicos, a community-health NGO at home town during medical graduation.
- ii. Remained an active member of Biological Society, at Public School Hyderabad during Higher Secondary education and gave presentation on 'The Cell' at a seminar held at Public School Hyderabad, Pakistan.
- iii. Also remained an active member of Arts Society, at Public School Hyderabad, Pakistan during Higher Secondary education.
- iv. Two water color paintings went on air at Pakistan Television Morning Transmission.
- v. Won intra-school '*Seerat-un-Nabi*' quiz while in class-X. Also actively participated in another '*Seerat-un-Nabi*' quiz at inter-school level.
- vi. Actively participated in debate competitions on 'Independence Day'/ 'Pakistan Movement' at intra- and inter- school levels and won prizes at few instances.

## **IX. RESEARCH GRANTS**

- 2013** SAR 100,000/- from College of Medicine Small Research Project Grant Scheme 2012, Alfaisal University, Riyadh.
- 2012-13** SAR 45,000/- from Internal Research Grant Scheme 2012, Alfaisal University, Riyadh.
- 2012** SAR 6,000/- from Alfaisal University for poster presentation at 12<sup>th</sup> APMEC Conference at Singapore, Jan 2013.
- 2012** SAR 6,000/- from Alfaisal University for poster presentation at 8<sup>th</sup> NCRI, Conference at Liverpool, UK, Nov 2012.
- 2010** PKR 140,000/- from Higher Education Commission, Government of Pakistan, for oral presentation at BIT's World Cancer Congress, 2010, to be held during April 25-27, 2010 at Shanghai, China. (The grant was sanctioned but never consumed due to Chinese visa issues).
- 2009** PKR 20,000/- from ZU for oral presentation at 19<sup>th</sup> MRSP Meeting at SKMCH&RC, Lahore, Pakistan.
- 2008-09** € 9400/- approximately, under International Research Support Initiative Program, Higher Education Commission, Government of Pakistan.
- 2006-08** PKR 100,000/- for PhD project at Ziauddin University, Karachi.
- 2004** PKR 15,000/- for presenting a poster at 17<sup>th</sup> FAOBMB symposium, Bangkok, Kingdom of Thailand.
- 2002** PKR 75,000/- for M. Phil Project; by Ziauddin University, Karachi.

Note: Grants to publish research articles and participate/ attend various seminars and workshops are NOT included in this list.



**X. REFERENCES:** Additional references can be provided on request:

1. Prof. Ingolf Cascorbi.  
Professor of Pharmacology,  
Chairman, Institute of Experimental & Clinical Pharmacology,  
University Hospital Schleswig-Holstein,  
Building 30, Arnold-Heller-Str. 3,  
D-24105 Kiel, Germany.  
Tel. +49-431-597-3500  
Fax +49-431-597-3522  
e-mail: [cascorbi@pharmakologie.uni-kiel.de](mailto:cascorbi@pharmakologie.uni-kiel.de)  
[www.uni-kiel.de/Pharmakologie](http://www.uni-kiel.de/Pharmakologie)
  
2. Prof. Ronald de Meersman.  
Professor of Physiology,  
Chairman College Research Committee,  
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3. Professor Hakimuddin Razi Ahmad.  
Professor of Physiology,  
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22, Shaheed-e-Millat Road, Karachi, Pakistan.  
e-mail: [hrahmad.alrazi@gmail.com](mailto:hrahmad.alrazi@gmail.com)
  
4. Dr. Dileep Kumar Rohra.  
Associate Professor and Section Head of Pharmacology,  
Department of Pharmacology and Pathology,  
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5. Dr. Salman N. Adil.  
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