

Curriculum Vitae 02-5-2014

Name: Prof. Dr. Mohammad Anwar Panezai :

Position/Address Director, Institute of Biochemistry,
University of Balochistan, Quetta,
Chairman Tenure Track System(TTS)

Birth Date: January. 02, 1964.

Birth place Khanozai, district
Pishin

Nationality: Pakistani

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Director.biochemistry@hotmail.com

Marital Status: Married -

Local: Pishin (Balochistan)

Education

- **Metric** Govt. High School Khanozai
 - **F.Sc** Govt. Degree College Quetta
 - **B.Sc.** Govt Science College, Quetta

 - **M.Sc.** ChemBiochem, Department of Chemistry, University of Balochistan, Quetta
 - **M.Phil.** Biochemistry, Department of Chemistry, University of Balochistan, Quetta
 - **PhD** Biochem Department of Chemistry, University of Balochistan Quetta, Pakistan
 - **LLB** Law College, Khojak Road Quetta
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Teaching & Research Positions

- Professor** 07-07 2012
First appointment as **lecturer** March 1988 till Oct. 1994
- **Assistant. Professor** Oct. 1994 till 7 July 2012. Department of Chemistry, University of Balochistan, Quetta
- **M.Phil. Research Student:** Feb.1988, on Low density lipoprotein cholesterol estimation for the diagnosis of cardiac problems
- **Ph.D. Research Student:** May 1997, on "The analytical applications of immobilized / soluble enzymes for the determination of adenosine 5'-triphosphate using chemiluminescence / bioluminescence detection system"
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INTERNATIONAL RESEARCH TRAININGS

University of China Hong Kong, Six months (core Chemistry Project for Post Graduates of Asia) in 1998

Feb. 2000,

Three months Biotechnology training program in the laboratory of Prof. Stefano Girotti, University of Bologna, Italy (girotti.stefano@unibo.it)

June 2001,

17 days training/conference program, Abdus salam International Center for theoretical physics, (Protein folding, structure and design,) **Trieste Italy,**

April 2006,

Post graduate studies/Diploma program of **Four months** organized by Hydroaid at , International Centre of the ILO, supported by Politecnico de Torino, University of **Turin, Italy**, on “Post graduate specialization in management of water resources and water in agriculture” .

January 2009,

Asian Institute of Technology Bangkok, **Thailand, One month** training on ‘Toxic and hazardous waste management’ .

Apr 19-11 June 2010

Technical course on waste water treatment and disposal of urban solid waste, Torino, at polito de Torino. University of Turin, Italy, organized by Hydroaid, a water management Institute, **Turin, Italy**

Section Incharge of Biochemistry:

Deptt of Chemistry, University of Balochistan From April 1994 — Sept. 2004

Courses Taught- M.Sc,M.Phill/PhD

Teaching various courses of Biochemistry, Carbohydrates, lipids, Enzymes, Metabolism, Regulation of metabolism, Glycoconjugates, Molecular biology, Cell studies etc at post-graduate level. Modern techniques in Biochemistry, Hormones, Cell membrane and transport across. Waste water management, Hazardous waste management, immunology

Research Interests

- **Environmental Chemistry**
 - **Biochemistry and Analytical Chemistry**
 - **Flow injection techniques (Chemiluminescence & Bioluminescence)**
 - **Immobilized enzymes**
 - **Pesticide study on bacterial bioluminescence**
 - **Lipoprotein/Cholesterol studies**
 - **Luminescent bacterial studies**
 - **Waste water Hazardous waste management**
 - **Medicinal plants extraction and biological application**
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M.Phil/PhD Students supervisor.

Six students are registered for M.Phil and PhD

Co supervisor PhD program

Mr. Ghulam Dastagir, lecturer Zoology Deptt,
University of Balochistan, Queeta Pakistan.

Membership/Distinctions

- **Fellow** International union of pure and applied chemistry (IUPAC) for 2010-11
 - **Titular Member,** IUPAC, 2006 – 09
 - **Associate member** CHEMRAWN committee of the **IUPAC** for 2006 - 07
 - **Affiliate member** IUPAC for the year 2005 – 06
 - **Vice president,** Chemical society of Pakistan (Balochistan Chapter) , 2003 – 06
- Associate secretary,** Chemical Society of Pakistan (Balochistan Chapter)
2002 – 04

- **Life member**, Chemical Society of Pakistan
- **Executive member** Abdus Salam ICTP (Pakistan Chapter) 2005 – 07
- **Member, Executive Council** Pakistan Society of Biochemistry and Molecular Biology, 1996 – 97
- **General Secretary** Academic staff association, University of Balochistan, Quetta, 1993
- **Senate member**, University of Balochistan, Quetta,
- Board for Advance Studies and Research member UoB
- Academic Council member University of Balochistan, Quetta
- **International Amnesty International** ,a human rights organization.
- **Member of International crane Foundation**

Workshops Participated

- Protein folding, structure and design, organized by ICTP, Trieste, Italy, June 11 – 22, 2001
- Resource person, Workshop on Instrumentation in chemical analysis, Department of Chemistry, University of Balochistan, Quetta, Sept. 7 – 8, 2004
- Resource person, Regional workshop on basic analytical techniques), Department of Chemistry, University of Balochistan, Quetta, Nov. 13 - 20, 2005
- Information handling techniques, organized by Pakistan Scientific and Technological Information Center and Department of Computer Science, University of Balochistan, Quetta, June 16 - 19 2003
- Certificate of appreciation, Amnesty International Pakistan “Campaign 2002, Stop the use of child soldiers”, Nov. 28, 2002
- International refugee coordinator for Pakistan appointed by Amnesty International London, 2002 – 04

---Publications

- 1 . A.Kakar,F.M.Bilqees,A.Iqbal,**M.A.Panezai** and G.E.S.Mukhtar: A new nematode camallanus boomkeri SP.From the fish,Channa Orientalis (oestiechthyes:Channidaes) in fresh waters of Panjgur,Balochistan,. The journal of animal and plant sciences, 23(5).2013, page.1333-1341

- 2 . Muhammad Aziz, **M. Anwar**, Zaheer Uddin, Hiba Amanat, Huma Ayub, Saima Jadoon,. Nutrition comparison between Genus of apple (*Malus sylvestris* and *malus domestica*) to show which cultivar is best for the province of Balochistan.. *Journal of asian scientific research*. Vol. 3, No. 3,4,5, 2013

- 3 . Shahabuddin, **M. Anwar Panezai**, Yasmin Nawaz, Asim Iqbal., First record of fresh water snails *melanoides tuberculata*(*gastropoda..mollusca*) from different regions of Balochistan Province Pakistan., *Sci.Int.(Lahore)*, Vol, 24 No, 1 Pages 87-89, 2012

- 4 . Mohammad Ali, Habibullah, **Mohammad Anwar**, Mohammad Nawaz., Herpetofauna in the province of Balochistan, Pakistan., *Sci.Int(Lahore)*. Vol. 24 No. 1 Pages 59-62, 2012

- 5 . Muzaffar Khan, Ghulam Mustafa Khan, Sher Akbar, **Muhammad Anwar Panezai**, Talat Zamir and Ziaulhaq "Study of Lead pollution in Air, Soil and Water Samples of Quetta City, *J.Chem.Soc.Pak.*, Vol. 33, No.6, 2011.

- 6 . Sher Akbar, Tajamal Hussain Shah, **Muhammad Anwar** and Muzaffar Khan, A study of Cobalt Ions removal from aqueous solutions by sodium X- Zeolite, *J. Chem. Soc Pak.*, Vol. 32, No.3, 2010

- 7 . Sajid Bashir, Muhammad Jumshaid, **Mohammad Anwar**, Javeid Iqbal and Bashir Ahmad, *J Chem Soc Pak.*, Vol. 30, No. 6, 2008

- 8 . **M. Anwar**, The successful use of cellulose acetate membrane for Very low density lipoproteins isolation and cholesterol quantitation, *Anal. Lett.*, 40/1(2007) 77-84

- 9 . **M. Anwar**, Hexadecyl-phosphorylcholine ointment for treatment of cutaneous leishmaniasis: an animal trial, *Eastern Mediterranean Health Journal* Vol. 12 No. 5 (2006)685-689

- 10 . **M. Anwar**, M. Yaqoob, A. Waseem, and A. Nabi, Bioluminescent determination of ATP in blood and milk samples, *J. Chem. Soc. Pak.* 28/4 (2006) 380-84.

- 11 . M. Yaqoob, **M. Anwar** and A. Nabi, Determination of phosphate in freshwaters by flow injection with immobilized enzyme and chemiluminescence detection: *Intern. J. Environ. Anal. Chem.*, 85/7 (2005) 451 - 59.

- 12 . **M. Anwar**, M. Yaqoob and A. Nabi, Determination of adenosine 5'-

triphosphate by flow injection with luminol chemiluminescence detection using immobilized alkaline phosphatase enzyme reactor, *J. Chem. Soc. Pak.* 27/6, (2005) 615 -20.

- 13 . S. Tasleem, S. Durrani, **M. Anwar**, M.Niaz and K. Muzaffar, Salting-out coefficients and activity coefficients of alkali and alkaline earth metals in aqueous and aqueous organic mixed solvents, *J. Chem. Soc. Pak.* 26/1 (2004) 39 - 43.
- 14 . **M. Anwar**, K. Muzaffar, G. Sarwar and S. Akbar, Effect of heavy metals and organic substances on photobacterium, *J. Pure and Applied Sciences* (Islamia Univ. Bahawalpur, Pakistan) 23/2 (2004) 1 – 9.
- 15 . **M. Anwar**, F. Fini, L. Bolleli, M. Butt and M. Azam, Bacterial test in raw milk by ATP bioluminescence, *J. Saudi Chem. Soc.* 7/1 (2003) 17 - 20.
- 16 . **M. Anwar**, F. Fini and A. M. Merican, Effect of pesticides on *Vibrio Fischeri* *J. Chem. Soc. Pak.* 25/1 (2003) 59 - 63.
- 17 . M. Azam, M. N. Mohammad and **M. Anwar**, Determination of vinyl acetate content in the ethylene-vinyl acetate copolymers using poly(vinyl acetate) calibration curve by FTIR, *Res. J. U.O.B.*, 1/4 (2003) 1 – 6.
- 18 . Saeeduddin, **M. Anwar**, S. T. Hussain and M. Sharif, Dissociation constant studies of acridine and *p*-nitroaniline spectrophotometrically at various temperatures. *J. Chem. Soc. Pak.* 24/3 (2002) 153 – 59.
- 19 . A. Nabi, M. Yaqoob and **M. Anwar**, Chemiluminescence and Bioluminescence Monitoring: A Flow-Injection Approach. *J. Lab Robotics and automation*, 11 (1999) 91 - 96.
- 20 . **M. Anwar** and M. Masoom Yasinzai, Determination of free sterol content of various brands of eggs, ghee/oils, using immobilized enzyme column in a flow system, *J. Chem. Soc. Pak.* 19/1 (1997) 31 - 33.
- 21 . **M. Anwar**, M. Hashim, M. Yaqoob and M. Masoom, Enzymatic determination of electrophoretically separated LDL-cholesterol from sera of cardiac patients, *J. Chem. Soc. Pak.* 17/1 (1995) 40 – 42.
- 22 . M.Yaqoob, **M. Anwar** and M.Masoom, Emulsified substrate in flow systems: The determination of lipase activity, *J. Chem. Soc. Pak.* 16/2 (1994) 112 - 14
- 23 . M. Yaqoob, **M. Anwar**, A. S, Masood and M. Masoom, Flow injection method for sulfide determination using an organic mercury compound, *Anal. Lett.*, 24/4 (1991) 581 - 88.

Three more in pipeline
