

BIO-DATA

PROF. VIQAR UDDIN AHMAD
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H.E.J. Research Institute of Chemistry
University of Karachi, Karachi-75270
Pakistan

NAME	VIQAR UDDIN AHMAD
FATHER'S NAME	MR. MOHAMMAD UDDIN AHMAD
DATE AND PLACE OF BIRTH	6-7-1940, Meerut

ACADEMIC QUALIFICATIONS

D.Sc.: 1992, University of Karachi.

Dr.rer.nat. : 1968, Bonn University (West Germany). Title of thesis : "5-Hydroxy-3-methoxy and 5,6-Dihydroxy-1-naphthyl acetic acid as possible metabolites of 1-naphthyl acetic acid".

Ph.D. : 1966, Karachi University. Title of thesis : "Studies in the Alkaloidal Constituents of some Indigenous Medicinal Plants".

M.Sc. : 1959, First Division, First Position, Allahabad University (India). Subjects: Chemistry with specialization in organic chemistry.

B.Sc. : 1957, Allahabad University (India). Subjects: Chemistry, Zoology and Botany.

Intermediate : 1955, First Division, U.P. Board (India). Subjects: English, Hindi, Biology, Physics and Chemistry.

Matriculation : 1953, U.P. Board (India). Subjects: English, Hindi, General Science, Maths and Arts. Distinction in Mathematics.

Diploma French Language : 1959, Allahabad University (India).

Diploma German Language : i) Goethe Institute, Karachi 1960. ii) Goethe Institute, Lueneburg (West Germany) 1966.

EXPERIENCE

Joined Central Laboratories, Council of Scientific and Industrial Research in June 1959. Worked with Prof. Salimuzzaman Siddiqui, F.R.S., on isolation of active principles of indigenous medicinal plants and elucidation of their structure as well as pharmacological activity structure - relationship of ajmaline and other alkaloids. Awarded German Academic Exchange Service Scholarship in Bonn (West Germany) with Dr. G. Legler on the synthesis of substituted naphthyl acetic acids. Returned to Pakistan in March 1969 and since then working in the H.E.J. Research Institute of Chemistry, University of Karachi. Work assigned includes supervision of original research by M.Phil and Ph.D students and holding of seminars on various topics of organic chemistry. Awarded Alexander Von Humboldt Senior Fellowship in 1975 and worked in Hannover in the laboratories of Prof. E. Winterfeldt upto 1976. Appointed as Professor in H.E.J. Research Institute of Chemistry, University of Karachi in December, 1976. Awarded German Academic Exchange Fellowship of 8 weeks (1978), 6 weeks (1982), 12 weeks (1985) and 4 weeks (1986) for research work in Tuebingen, West Germany. Worked as exchange professor in the College of Pharmacy, University of Houston, Houston (Texas, U.S.A.) from 15th of July, 1986 to 14th of August, 1986. Worked as Alexander von Humboldt Fellow in the group of Prof. H. J. Bestmann, Organic Chemistry Institute of the University of Erlangen, West Germany, (1.10.1988 to 31.1.1989). Awarded Senior Fulbright Fellowship (January to October, 1993) for research work in the Chemistry Department of Cornell University, Ithaca, New York, USA. **Supervised research work of Forty-four Ph.D.'s students and two M.Phil students.** Seventeen students are presently working for M.Phil and Ph.D. degrees. Teaching a course on structural organic chemistry to M.Phil students since 1st May, 1990.

Knowledge of Languages: Urdu, English, Hindi, German, French.

APPOINTMENTS

1. *Technical Assistant*, Pakistan Council of Scientific and Industrial Research (PCSIR) Laboratories Karachi, 24.6.1959.
2. *Research Chemist*, PCSIR Laboratories Karachi, 12.12.1961.
3. *Research Officer*, PCSIR Laboratories Karachi, 1.5.1965.
4. *Senior Research Officer*, PCSIR Laboratories Karachi, 30.7.1966.
5. *Professor*, H.E.J. Research Institute of Chemistry, University of Karachi, 7.6.1976. He has retired on 5th July, 2000. On 12th July 2000 he was re-appointed as Professor in HEJ Research Institute of Chemistry, University of Karachi.
6. *Incharge*, Hostel of H.E.J. Research Institute of Chemistry, University of Karachi, 11.8.1990.

7. *Editor-in-Chief*, Journal of Science, University of Karachi and *Honourary Co-Editor*, Journal of the Chemical Society of Pakistan.
8. *Dean, Faculty of Science*, University of Karachi, 19.3.1994, a post which he held until his retirement on 5th July, 2000. On 12th July 2000 he was re-appointed as Professor in HEJ Research Institute of Chemistry, University of Karachi.
9. *Visiting Scientist*, Chemistry Department, Cornell University, Ithaca, New York, USA (January - October, 1993).
10. *Member of the Syndicate*, University of Karachi, 16.2.1995 to 5-7-2000.
11. *President*, Chemical Society of Pakistan, 1st Jan., 1999 to March, 2002.
12. Promoted to BPS-21 on 3rd March, 1999.
13. Elected *Vice President*, Pakistan Academy of Sciences in June, 2001 to December 31, 2004.
14. Elected member of the Council of Pakistan Academy of Sciences from 1-1-2005 till todate.

BOOKS :

	Title of Book	Name of publisher	Year of first publication
1.	<i>Pakistan Encyclopaedia Planta Medica</i> , Vol. I.	Hamdard Foundation Press, Karachi.	1986
2.	<i>Pakistan Encyclopaedia Planta Medica</i> , Vol. II.	Hamdard Foundation Press, Karachi.	1987
3.	<i>Pakistan Encyclopaedia Planta Medica</i> , Vol. III.	University Grants Commission Press, Islamabad.	1989
4.	¹³ C-NMR of Natural Products, Vol. I.	Plenum Publishing Corporation, USA.	1992
5.	¹³ C-NMR of Natural Products, Vol. II.	Plenum Publishing Corporation, USA.	1992
6.	Handbook of Natural Products Data, Vol. 2.	Elsevier Science Publishers, Amsterdam	1994
7.	Spectroscopic Data of Saponins. Vol. I, II and III.	CRC Press, Boca Raton, Florida, USA.	2000
8.	Spectroscopic Data of Steroid Glycosides.- Vol. I, II, III, IV, V, VI.	Springer, USA	2007

RESEARCH PUBLICATIONS 395**National** 92 (List attached)**International** 303 (List attached)

Research Scholars Supervised by Prof. Dr. Vigar Uddin Ahmad

S.No	Name	Year of Pass Out	Topic
Ph.D awarded			
1.	Anwer Basha	1975	Isolation and structure elucidation of biologically active compounds from medicinal plants and synthesis of indole alkaloids.
2.	Usmanghani Khan	1980	Phytochemical studies on <i>Capparis decidua</i> and <i>Prosopis glandulosa</i> .
3.	Qazi Najmus Saqib	1981	Phytochemical studies of some Primulacious and Leguminous Plants.
4.	Shaheen Bano	1983	Phytochemical studies on <i>Nepeta hindostana</i> .
5.	Nasreen Bano	1985	Phytochemical studies on saponins and sapogenins of <i>Guaiaicum officinale</i> .
6.	Sabiha Qazi	1986	Studies on the chemical constituents of <i>Prosopis juliflora</i> and <i>Cleome brachycarpa</i> .
7.	Ajmal Nasir	1987	Investigation of chemical constituents of <i>Andrachne aspera</i> and <i>Parania pulvillus</i> .
8.	Shoaib Arif	1987	Studies on alkaloids of <i>Capparis decidua</i> .
9.	Kaniz Fizza	1987	Studies on the chemical constituents of <i>Pluchea arguta</i> and <i>Crataeva nurvala</i> .
10.	Tahir Rasheed	1987	Studies on the chemical constituents of <i>Cocculus hirsutus</i> .
11.	Tanveer A. Farooqui	1988	Further studies on the sesquiterpenes of <i>Pluchea arguta</i> .
12.	Iqbal Fatima	1988	Studies on the chemical constituents of <i>Guaiaicum officinale</i> .
13.	Azra Sultana	1992	Studies on the chemical constituents of <i>Prosopis juliflora</i> and <i>Pluchea arguta</i> .
14.	Shaista Perveen	1992	Studies on the chemical constituents of <i>Dictyota indica</i> and <i>Guaiaicum officinale</i> .
15.	Shafi Uddin	1992	Studies on the chemical constituents of <i>Guaiaicum officinale</i> and some marine organisms.
16.	Aziz-ur-Rehman Amber	1992	Studies on the chemical constitution of <i>Cadaba farinosa</i> .

17.	Viqar Sultana	1992	Chemical investigation of the metabolite of <i>Aspergillus quadrilineatus</i> , <i>Primula denticulata</i> and <i>Schweinfurthia papilionacea</i> .
18.	M. Shaiq Ali	1992	Chemical constituents of <i>Laurencia pinnatifida</i> and synthetic studies on Fujenal and Gibberellins.
19.	Nargis Ismail	1993	Studies on the chemical constituents of <i>Inula grantioides</i> and <i>Capparis decidua</i> .
20.	M. Ghani Shah	1993	The chemical constituents of <i>Primula macrophylla</i> .
21.	Nadeem Bin Zia	1994	Investigation of the chemical constituents of <i>Prosopis juliflora</i> and circular dichroismic studies of cholestanquinolines.
22.	Ghazala	1994	Studies on the chemical constituents of <i>Zygophyllum propinquum</i> .
23.	Shaista Iqbal	1994	Extended studies on the chemical constituents of <i>Cocculus hirsutus</i> .
24.	Faryal Vali Mohammad	1994	Studies on the triterpenoidal constituents of <i>Nepeta hindostana</i> and the roots of <i>Symphytum officinale</i> .
25.	Mushtaq Noorwala	1996	Studies on the chemical constituents of the seeds of <i>Vigna unguiculata</i> and the roots of <i>Symphytum officinale</i> .
26.	Aslam Parvez	1997	Studies on the terpenic constituents of <i>Perovskia abrotanoides</i> and Directing effects in the microbiological hydroxylation of steroids.
27.	Nikhat Saba	1998	Further studies on the chemical constituents of <i>Guaicum officinale</i> L.
28.	Murad Ali Khan	1999	Chemical constituents of <i>Centaurea iberica</i> and <i>Achillea santolina</i> and synthesis of Myoglobin and Insulin.
29.	Naseer Alam	1999	Studies on the chemical constituents of <i>Blumea oblique</i> .
30.	S.M. Khaliq-uz-Zaman	1999	Studies on the chemical constituents of <i>Asparagus</i> species and synthesis of Biotin Analogues.
31.	Rasheeda Khatoon	1999	Studies on the chemical constituents of <i>Pluchea arguta</i> and <i>Pluchea lanceolata</i> .
32.	Zulfiqar Ali	1999	Phytochemical studies on the chemical constituents of <i>Silene conoidea</i> and <i>Stocksia brahuica</i> .
33.	Amir Reza Jassbi	1999	Phytochemical investigation on some medicinal plants from families Euphorbiaceae and Labiatae.

34.	Fehmida T. Baqai	2000	Phytochemical studies of <i>Cestrum</i> Species (Family Solanaceae).
35.	Akbar Ali	2001	Phytochemical investigations of <i>Corchorus depressus</i> and asymmetric syntheses with chiral ylidenedioxonones.
36.	Arshad Kamal	2002	Studies in the Chemical Constituents of <i>Andrachne Aspera</i> Spreng (Euphorbiaceae).
37.	Muhammad Zahid	2002	Isolation and structural studies in the chemical constituents of <i>Salvia bucharica</i> and related species.
38.	Muhammad Asim	2003	Isolation and Structural Studies in the Chemical Constituents of <i>Salvia moorcroftiana</i> and <i>Euphorbia decipiens</i> .
39.	Amir Ahmed	2004	Chemical and Biological analysis of <i>Mentha royleana</i> and <i>Corchorus</i> Species.
40.	Hidayat Hussain	2004	Phytochemical investigations of <i>Euphorbia decipiens</i> and Synthesis of organotin complexes.
41.	Javid Hussain	2005	Isolation, characterization of bioactive natural products from <i>Tanacetum artemisioides</i> , <i>Euphorbia deciepiens</i> and <i>Ranunculus laetus</i>
42.	M. Athar Abbasi	2005	Bioactive chemical constituents of <i>Symplocos racemosa</i> and <i>Commiphora mukul</i>
43.	Umar Farooq	2006	Phytochemical Studies on <i>Ballota limbata</i> and <i>Achillea vermicularis</i>
44.	Muhammad Zubair	2006	Isolation of Bioactive Compounds from <i>Symplocos racemosa</i> , <i>Platytaenia multicaule</i> and <i>Sarcostemma Viminale</i>

M.Phil awarded

45.	Zubeida G. Mohammad	1980	Studies on the chemical constituents of <i>Prosopis juliflora</i> .
46.	Iffat Mahmood	1984	Studies on the chemical constituents of <i>Belepharis sindica</i> .

Research Projects :

S.No.	Title of Project	Name of Funding Agency	Year	Amount
1.	Studies on the chemical constituents of <i>Blepharis sindica</i> .	University Grants Commission (completed)	1981	Rs. 100,000/=
2.	Investigation of the chemical constituents of <i>Andrachne aspera</i>	International Foundation for Science, Sweden (grant#F/575-IX) (completed)	1982	USD 9800/=
3.	Isolation and structural studies on the chemical constituents of some indigenous flowering plants.	Pakistan Science Foundation (grant# S-KU/CHEM-84) (completed)	1982	Rs. 100,000/=
4.	Studies on the chemical constituents of <i>Guaiacum officinale</i> .	University Grants Commission (completed)	1984	Rs. 100,000/=
5.	Studies on the chemical constituents of Capparidaceous plants of Pakistan	Pakistan Science Foundation (grant#S-KU/CHEM-170) (completed)	1986	Rs. 340,300/=
6.	Isolation, structure elucidation and biological activity of the chemical constituents of some Compositae plants.	Pakistan Science Foundation (grant#S-KU/CHEM-205) (completed)	1990	Rs. 255,592/=
7.	Study on Living Marine Resources/Research of Marine Organisms of the Arabian Sea	Office of the Naval Research (ONR), USA. (completed)	1996	Rs. 1,90,000,000/=
8.	Isolation, structure elucidation and biological activity of the chemical constituents of some Compositae plants.	University Grants Commission (completed)	1998	Rs. 572,981/=
9.	Studies on the biologically active metabolites from plants of central Asia.	Pak-Kazakh Joint Research Project, Kazakhstan (Phase-II) (completed)	1998-2003	Rs. 10,00,000/=
10.	Isolation, structure elucidation and biological activity of the some medicinal plants of Pakistan and Iran.	Higher Education Commission (HEC), Islamabad (ongoing)	2003 todate.	Rs. 10,00,000/=
11.	Isolation, Structure Elucidation and Biological Activity of some medicinal plants belonging to the family Lamiaceae	Pakistan Academy of Sciences – HEC, Islamabad (ongoing)	July 2003 todate.	Rs. 10,00,000/=

AWARDS

1. *Gold Medal* (1959) Allahabad University for standing first in the M.Sc. final examination.
2. *Gold Medal* (1972) Pakistan Academy of Sciences (under 40 year of age).
3. *Gold Medal* (1986) Pakistan Academy of Sciences.
4. National Book Council of Pakistan *Cash Award* 1988.
5. *Scientist of the Year* (1986) award; National Book Council of Pakistan, Ministry of Education, Government of Pakistan including Prime Minister's gold medal and *Cash Prize*.
6. *Nishan-e-Azmat Ilm* (1988), Plaque awarded by the Karachi University Teachers Society.
7. *Nishan-e-Danish* (1989), Shield awarded by Karachi University Teachers Society for excellent performance during 1988-1989.
8. National Book Council of Pakistan *Cash Award* 1990.
9. *Sitara-i-Imtiaz* (1996), awarded by the President of Pakistan.
10. National Book Foundation of Pakistan *Cash Award* 1996.
11. 1st Prize of Kharazmi Festival, Awarded by President of Iran, February, 1998.
12. *DuPont Science Cash Award* in Chemistry, 2003.
13. "*Distinguished National Professor*" awarded by Higher Education Commission, Government of Pakistan, March, 2004.
14. Recently, the civil award *Hilal-i-Imtiaz* awarded by the President of Pakistan on 23rd March, 2006.

National Rank among Scientists of Pakistan published by the Council of Science & Technology, Ministry of Science, Islamabad.

1. **Leading Scientists of Pakistan (1999)**

- A) Rank among all scientists of Pakistan (on the basis of impact factor) = **5**.
- B) Rank among scientists of Pakistan in the field of Chemistry (on the basis of impact factor) = **2**.

2. **Scientific Research in Pakistan (2000)**

- A) Rank among all scientists of Pakistan (on the basis of cited papers) = **3**.
- B) Rank among scientists of Pakistan in the field of Chemistry = **2**.

3. **Productive Scientists of Pakistan (2002)**

- A) Rank among all scientists of Pakistan = **2**.
- B) Rank among scientists of Pakistan in the field of Chemistry = **2**.

MEMBERSHIP OF SCIENTIFIC SOCIETIES

1. *Fellow*, The Royal Society of Chemistry, England
2. *Fellow*, Third World Academy of Sciences, Trieste, Italy.
3. *Fellow*, Pakistan Academy of Sciences.
4. *Member*, American Society of Pharmacognosy.
5. *Member*, Society for Medicinal Plant Research, West Germany.
6. *Affiliate Member*, International Union of Pure and Applied Chemistry (IUPAC).
7. *Fellow*, The Chemical Society of Pakistan.

PARTICIPATION IN INTERNATIONAL CONFERENCES

1. 4th Asian Symposium on Medicinal Plants and Spices, Bangkok (Thailand), September 15-19, 1980.
2. International Symposium on Medicinal and Aromatic Plants, Lucknow (India) December 27-28, 1983.
3. 5th Asian Symposium on Medicinal Plants and Spices, Seoul (South Korea) August, 1984.
4. International Symposium on Organic Chemistry of Natural Products (IUPAC), Shanghai (China), November 10-14, 1985.
5. 17th IUPAC International Symposium on the Chemistry of Natural Products, New Delhi (India) February 4-9, 1990.
6. POST-IUPAC International Symposium on the Synthesis of Natural Products, Bangalore (India) February 12&13, 1990.
7. Workshop on Carbohydrates and Carbohydrate containing natural products, Peradeniya (Sri Lanka), July 12-16, 1990.
8. Exploratory Workshop for strengthening the Research and Development (R & D) capacity among Centres of Excellence in the developing world region, Duduville, Nairobi (Kenya), August 12-17, 1990.
9. Visiting Professor, Institute of Chemistry & Molecular Sciences, Sussex University, Falmer, Brighton, United Kingdom, September 7-30, 1991.
10. 7th Asian Symposium on Medicinal Plants, Spices and other Natural Products, Manila (Philippines), February 2-6, 1992.
11. Fourth General Conference of the Third World Academy of Sciences (TWAS), Kuwait, November 23-26, 1992.
12. 20th Meeting of the International Society of Chemical Ecology, Clear Water, Florida, USA, July 30 to Aug. 4, 1993.
13. 19th IUPAC International Symposium on the Chemistry of Natural Products, Karachi, Pakistan, January 16-20, 1994.

14. 20th IUPAC International Symposium on the Chemistry of Natural Products, Chicago, USA, September 15-20, 1996.
15. Sixth General Conference of the Third World Academy of Sciences (TWAS), Rio de Janeiro, Brazil, September 6-11, 1997.
16. 7th International Symposium on Natural Product Chemistry, Karachi, Pakistan, Dec. 28, 1997 - Jan. 1, 1998.
17. Attended and delivered a lecture in the International Conference on "Medicinal Raw Material and Phyopreparations for Medicine and Agriculture", held in Karaganda, Kazakhstan from 28th August, to 3rd September, 1999.
18. 8th International Symposium on Natural Product Chemistry, Karachi, Pakistan, January, 2000.
19. Attended and delivered a lecture in the 20th Asian Symposium on "Medicinal Plants, Spices and other Natural Products" held in University of Dhaka, Bangladesh, from 18-23 Nov., 2000.
20. Attended and delivered a lecture in the National Chemistry Conference 2000 held in University of Peshawar, Department of Chemistry, from 10th to 14th April, 2001.
21. Attended and delivered a lecture in the 7th Eurasia Conference on Chemical Sciences, Karachi Pakistan, from 9-12 March, 2002.
22. Attended and delivered a lecture in the 3rd National Conference on Pharmaceutical Sciences, University of Peshawar from July 8-12, 2003 at Baragali Summer Campus.
23. Ninth General Conference of the Third World Academy of Sciences (TWAS), Beijing, China, October 14-19, 2003.
24. Attended and delivered a lecture in the 9th International Symposium on Natural Product Chemistry, University of Karachi, Karachi, Pakistan from January 10-13, 2004.
25. Attended and delivered a lecture in the [2 Day TWAS Seminar on Science, Development and Education "on 27th and 28th of September, 2004 at Bangalore, India.](#)
26. Attended and delivered a lecture in the [International TWAS 16th General Conference held on 29th Nov. to 3rd Dec., 2005 in Alexandria, Egypt.](#)
27. Attended and delivered a lecture in the [10th Iranian Congress of Pharmaceutical Sciences \(ICPS\), the biennial congress of Iranian Society of Pharmaceutical Specialists, holds in Shaheed Beheshti University of Medical Sciences \(SBMU\), Tehran, Iran from August 21st to 24th, 2006.](#)