

BIODATA

PROF. DR. BINA S. SIDDIQUI

NAME BINA SHAHEEN SIDDIQUI
HUSBAND'S NAME DR. SYED SAEED AHMAD

DESIGNATION Professor
INSTITUTION H.E.J. Research Institute of Chemistry
University of Karachi, Pakistan

Fax # 92-21-4819018-19
E-mail bina@khi.comsats.net.pk
Telephone # 92-21-4824935(Office)
92-21-4819001 (Home)

ACADEMIC QUALIFICATIONS

DEGREE	YEAR OF PASSING	INSTITUTION
D.Sc.	2001	University of Karachi
Ph.D.	1980	University of Karachi
M.Phil	1978	University of Karachi

TITLE OF M.PHIL THESIS Chemical investigations of the seeds of *Abrus precatorius* L., and *Nigella sativa*

SUPERVISOR Prof. Salimuzzaman Siddiqui, FRS

TITLE OF Ph.D. THESIS Studies in the constituents of the bark and seeds of *Holarrhena antidysenterica* L., and Some extensions of von Braun (BrCN) reaction on organic basis".

SUPERVISOR Prof. Salimuzzaman Siddiqui, FRS

APPOINTMENTS AND EXPERIENCE

1. Research Fellow, HEJ Research Institute of Chemistry, University of Karachi, 1970-1982.
2. Senior Research Fellow, HEJ Research Institute of Chemistry, University of Karachi, 1982-1983.
3. Assistant Professor, HEJ Research Institute of Chemistry, University of Karachi, 1983-1990.
4. Associate Professor, HEJ Research Institute of Chemistry, University of Karachi, 1990-1996.
5. Professor, HEJ Research Institute of Chemistry, University of Karachi, 1996 to date.
6. Co-Director, H.E.J. Research Institute of Chemistry, University of Karachi, Oct. 1999-2002.
7. Acting Director, H.E.J. HEJ Research Institute of Chemistry, University of Karachi, March 2000-2002.

SCHOLARSHIPS

From F.Sc. Part I to M.Sc. Final throughout got merit scholarship of Karachi Board and University.

PUBLICATIONS

213 research papers and 77 chapters in books and nine patents.

PATENTS

Nine patents granted by the Government of Pakistan.

AWARDS AND HONOURS/NATIONAL AND INTERNATIONAL

1. Distinguished National Professor by HEC.
2. **Sitara-e-Imtiaz** civil award awarded by the Govt. of Pakistan on 23rd March 2005.
3. **Khwarzimi International** award conferred by the President of Islamic Republic of Iran on 5th February 2001. This is **FIRST AWARD** to be conferred to any Muslim Woman Scientist.
4. Awarded **Gold Medal** and degree of **D.Sc.** by Chancellor, Governor of Sindh, (University of Karachi), 2001.
5. Elected **Fellow of the Chemical Society of Pakistan**, 2000.
6. Appointed **Member** of Board of Graduate Studies, of the Aga Khan University, Karachi, Pakistan 2004 upto date.
7. Appointed **Member** of the Board of Advanced Studies and Research (**BASR**) University of Karachi, Karachi, Pakistan 2004 upto date.

8. Appointed **Convenor of the** National Committee of Pharmaceuticals and Drugs 2004.
9. Appointed **Convenor of the National Committee** of Ministry of Science and Technology, Pakistan for evaluation and upgradation of Chemistry Institutions in Pakistan, 2000-2001.
10. Appointed **Member** of the Board of Advanced Studies and Research (**BASR**) Ziauddin Medical University, Karachi, Pakistan, 1999 upto date.
11. Served as **Co-Director** of HEJ Research Institute of Chemistry University of Karachi during October 1999-October 2002 and **Acting Director** since March 2000 to August 2002.
12. **Tamgha-e-Imtiaz** civil award announced by the Govt. of Pakistan on 14th Aug. 1999, and conferred on 23rd March 2000.
13. Appointed **Editor of Al-Chemy**, a newsletter of the Chemistry Society of Pakistan, 1999.
14. Elected **Fellow of the Pakistan Academy of Science**, 1998.
15. Appointed **Member of the Membership Election Committee of Third World Academy of Sciences (TWAS)** for Chemistry, 1999.
16. Received **Nishan-e-Danish Plaque** by the Karachi University, Teachers Society in 1998.
17. Received "**Star Woman of the year 1997**" award and **Gold Medal** by the Star Girls and Woman International Awards Committee of the Star Girls and Woman Foundation.
18. Received **First Prize of the National Book Foundation in 1997** on publications for the year 1994.
19. Received **Nishan-e-Azmat-e-Ilm Plaque** by the Karachi University Teachers Society in 1989.
20. Elected **Fellow of the Third World Academy of Sciences**, Trieste, Italy (1989).
21. Elected **Full Member of the Third World Organization for Women in Science**, Trieste, Italy (1989).
22. Received **Nishan-e-Azmat-e-Danish Plaque** by the Karachi University Teachers Society in 1993.
23. Received the First **Dr. Abdus Salam Prize in Chemistry for 1986**.
24. **Life Member Chemical Society of Pakistan**, 1988.
25. **Member Scientific Society of Pakistan**, 1970, to date.

INCLUSION IN INTERNATIONAL DIRECTORIES

1. International Directory of Specialists in herbal, spices and medicinal plants, University of Massachusetts at Amherst, USA.

2. Second Edition of FIVE HUNDRED LEADERS OF INFLUENCE published by the American Biographical Institute (IBA), North Carolina, USA.
3. Third Edition of INTERNATIONAL DIRECTORY OF DISTINGUISHED LEADERSHIP, IBA, N.C. USA.
4. Edition Four of FIVE HUNDRED PERSONALITIES OF THE WORLD. IBA, N.C. USA.

RESEARCH SUPERVISION

- Supervised twenty five Ph.D theses.
- Supervised six M.Phil theses.
- Supervised twenty five M.Sc. theses.

PARTICIPATION IN INTERNATIONAL CONFERENCES

1. Participated in the 1st International Symposium and Pak-U.S. Binational Workshop on natural products chemistry held in Karachi, 1984.
2. Presented a paper in the 2nd International Conference and Pakistan - U.S. Binational Workshop and UNESCO-SCAMAP Workshop on Natural Products Chemistry held in 1986, in Karachi.
3. Participated in the International Workshop on isolation and Structure Elucidation of Natural Products using spectroscopic techniques held in Karachi in 1987.
4. Presented a paper in the Third International Symposium and Pakistan U.S. Binational Workshop on Natural Products Chemistry, held in January, 1988 in Karachi.
5. Presented a paper in the conference on "Role of Women in the Development of Science and Technology in the Third World" held in Trieste Italy (Sponsors TWAS) from 3-7 Oct., 1988.
6. Participated in the International Seminar on Natural Co-agulants held in Yogyakarta, Indonesia from 2-7th October, 1989.
7. Presented a paper in the Fourth International Symposium and Pakistan - U.S. Binational Workshop on Natural Products Chemistry held in Karachi from 27th January to 2nd February, 1990.
8. Presented a paper in the 17th IUPAC Symposium on Natural Products Chemistry held in Delhi, India From 4th - 9th February, 1990.
9. Presented a paper in the Poster Session of the IUPAC Symposium on Natural Products Chemistry held in Kathmandu, Nepal from 12th - 15th February, 1990.
10. Presented a poster in Workshop on Carbohydrates and Carbohydrate Containing Natural Products held in Peradeniya University, Srilanka in July 1990.
11. Presented a paper in the XVII Pacific Science Congress held in Hawaii, U.S.A. from 27th May 2nd June 1991.

12. Fourth General Conference of the Third World Academy of Sciences (TWAS), held in Kuwait, Nov. 23-26, 1992.
13. First General Conference and General Meeting of the Third World Organization for Women in Science, held in Egypt, Jan. 10-13, 1993.
14. Presented a paper in the Fifth International Symposium and Pakistan U.S. Binational Workshop on Natural Products Chemistry held in Karachi in Jan. 1992.
15. Gave lectures on mass spectrometry in the COMSTECH-HEJRIC Workshop on Spectroscopic Techniques held in the H.E.J. Research Institute of Chemistry, University of Karachi, during 1-21 October, 1993.
16. Presented a paper in the 19th IUPAC Symposium held in Karachi in 1994.
17. Presented a paper in the Sixth International Symposium on Natural Products Chemistry held in Karachi in 1996.
18. Presented a paper in the Symposium on "Standardization of Neem Extracts" held in Pliezhausen near Stuttgart Germany on 16-17 October 1996.
19. Presented a paper in the International Seminar on Rainforest Plants and Their Utilization for Development, held in the University of Andalas, Padang, Indonesia on 29-30 October 1996.
20. Gave lecture on the classical methods of isolation and separation in the Workshop of Asian Network of Research on Anti-diabetic Plants (ANRAP) held in the H.E.J. Research Institute of Chemistry, University of Karachi during 16-20 November, 1996.
21. Participated in the 7th National Chemistry Conference held in Quetta during Feb. 2-7, 1996
22. Participated in "Second International Conference on Pharmaceutical Sciences" held in Karachi during 3-5 Jan. 1997.
23. Participated in "5th International Symposium on Protein Structure-Function Relationship" held in Karachi, during 6-9 Jan. 1997.
24. Participated in "Sixth General Conference of the Third World Academy of Science" held in Brazil, during 6-11 Sept. 1997.
25. Participated in "7th International Symposium on Natural Product Chemistry" held in Karachi, during 28 Dec. 1997 Jan. 1, 1998.
26. Participated in 9th National Chemistry held in Karachi during 6-10, Dec. 1998.
27. Participated in the second General Conference and General Meeting of the Third World Organization for Women in Science, held in Cape Town, South Africa, during 8-11, Feb. 1999.
28. Participated in "Seventh General Conference of the Third World Academy of Science" held in Senegal during 21-27 Nov. 1999.

29. Presented a paper in the Eight International Symposium on Natural Products Chemistry held in Karachi during 16-22 Jan. 2000.
30. Gave lecture on the classical and modern techniques of isolation and separation in the "Workshop on The Technology For Product Development from Medicinal Plants" held in the H.E.J. Research Institute of Chemistry, University of Karachi during 22-27 Jan. 2000.
31. Give lecture on "Theory and Applications of Mass Spectrometry" in the H.E.J.-COMSATS Workshop on "Spectroscopic Techniques" held in the H.E.J. Research Institute of Chemistry, University of Karachi during 15-21 Feb. 2000.
32. Presented a paper in Fourth Chittagong Conference on Biomathematics, Biophysics and Biostatistics held in Chittagong, Bangladesh, during April 8-10, 2000.
33. Presented invited paper at the 22nd IUPAC-ISCNP Conference held at Sao Carlos, Brazil during Sept. 3-8, 2000.
34. Presented invited paper at the ASOMPS-X Conference held in Dacca, Bangladesh during Nov. 18-23, 2000.
35. Delivered lecture in the UNESCO sponsored workshop on Biodiversity with particular reference to medicinal plants, Lucknow, India during Sept. 3-13, 2001.
36. 3rd IUPAC International Conference on Biodiversity (ICOB-3) Nov. 3-8, 2001, Antalya, Turkey during Nov. 3-8, 2001.
37. 2nd International and 12th National CSP Conference held in Jamshoro, Pakistan during Feb. 2002.
38. 7th Eurasia Conference on Chemical Sciences held in Karachi, Pakistan during March 8-12, 2002.
39. Satellite Symposium on Medicinal Plants "Strategies for Development of Herbal Drugs in the Third World Countries", which is jointly being organized by the Centre for Science and Technology of Non-aligned and Other Developing Countries (NAM S&T Centre) and NBRI on Saturday, during 19th October 2002 at CSIR Science Centre, New Delhi, India.
40. 8th General Assembly Conference of the Third World Academy of Sciences (TWAS) and 7th General Assembly of the Third World Network of Scientific Organizations (TWNSO) in New Delhi, India during October, 20-23, 2002.
41. Asian Regional Seminar of Science Education Inter Academy Panel (IAP) in New Delhi, India, during October, 24-25, 2002.
42. Group of 77 South-South High Level Conference on Science and Technology in Dubai, during October, 27-30, 2002.
43. TWAS 9th General Conference, 20th Anniversary Celebrations (16 - 19 October 2003 -- Beijing, China).

44. First Pak-France Binational Workshop on Natural Product Chemistry (14-15 January, 2004, at Karachi, Pakistan).
45. 9th International Symposium on Natural Products Chemistry (10-13 January 2004, at Karachi, Pakistan).
46. TWAS Seminar on “Science Development and Education” 27-28 September 2004, at Bangalore, India.
47. Pak-China Binational Workshop on the Pharmacology and Standardization of Herbal Medicines (22-27 October, 2004 at Karachi, Pakistan).
48. Workshop on Application of Modern Spectroscopic Techniques in Chemical Sciences (06-23 December, 2004) at HEJ Research Institute of Chemistry, University of Karachi, Karachi-75270, Pakistan.
49. TWAS 16th General Meeting 29 Nov. – 3 Dec. 2005 Alexandria, Egypt.
50. Bi-National Workshop in Chemical Sciences, to be held in Shanghai, China from 17 to 19, April 2006.
51. 10th International Symposium on Natural Products of Chemistry 7th January – 9 January, 2006. Karachi, Pakistan.