

CV and List of Publications

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MUHAMMAD IQBAL CHOUDHARY

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MAILING ADDRESS

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DATE OF BIRTH

September 11, 1959 (Karachi, Pakistan)

EDUCATION

Doctor of Science (D.Sc.) (University of Karachi)	2005
Ph.D. (Organic Chemistry) H. E. J. Research Institute of Chemistry University of Karachi, Karachi-75270, Pakistan	1987
Thesis Title: "The Isolation and Structural Studies on Some Medicinal Plants of Pakistan, <i>Buxus papillosa</i> , <i>Catharanthus roseus</i> , and <i>Cissampelos pareira</i> ."	
M.Sc. (Organic Chemistry) University of Karachi, Karachi-75270, Pakistan	1983
B.Sc. (Chemistry, Biochemistry, Botany) University of Karachi, Karachi-75270, Pakistan	1980

AWARDS & HONORS

- Declared as the top most scientist (Number 1) among 1,650 scientists of Pakistan in all disciplines / fields of science and technology (year 2012) by the Pakistan Council for Science and Technology (Ministry of Science and Technology), Pakistan.
- **COMSTECH Award in** (57 OIC member countries) by the Prime Minister of Pakistan (2011)
- Civil Award ***Hilal-e-Imtiaz*** by the President of Pakistan (2008)
- Civil Award ***Sitara-e-Imtiaz*** by the President of Pakistan (2002).
- Civil Award ***Tamgha-i-Imtiaz*** by the President of Pakistan (1999).
- First **Khwarizmi International Award and Prize** from the President of Islamic Republic of Iran (2006).

- **Economic Cooperation Organization (ECO) Excellence Awards in Education** by the President of Azerbaijan (2006).
- **Doctor of Science (D. Sc.) University of Karachi** (2005).
- **Distinguished National Professor** of the Higher Education Commission (2004).
- **Meritorius Professor**, University of Karachi (Grade 22) (2013).
- **Distinguished Professor** of the COMSATS (2013)
- **Prof. Abdussalam (Nobel Laureate) Prize in Chemistry** (1989).
- **Prof. Raziuddin Siddiqui Gold Medal** of Pakistan Academy of Sciences (1992).
- **Third World Academy of Science (Trieste, Italy) Young Scientists Award** (1994).
- **National Book Foundation Prize for the Best Science Book** (1995).

FELLOWSHIPS

- Senior Fulbright Fellow at the University of California at San Diego, USA (1999).
- Fellow, The Academy of Sciences for the Developing World (TWAS) (2002).
- Fellow, Islamic Academy of Science (2003).
- Fellow, Pakistan Academy of Sciences (2002).
- Fellow, *Chemical Society of Pakistan* (2001).
- Fellow, *Royal Society of Chemistry* (2004).
- Fellow, International Union of Pure and Applied Chemistry (IUPAC).
- Fellow, World Innovation Foundation (2006).
- Fellow, LEAD-International (Leadership for Environment and Development).

ACCADEMIC APPOINTMENTS

- Member of the Editorial Board of the International Journal "Chemistry of Natural Compounds" (2017).
- Adjunct Distinguished Professor at the University of Petra, Jordan (2015).
- Member Academic Council of COMSATS Institute of Information Technology (CIIT) 2015.
- Member of the Board of Trustees, Pakistan Science Foundation (PSF) (2015).
- Member for the Selection of Executive Director GCISC, Ministry of Climate Change (2015).
- Member Board of Governor Hamdard University, Karachi (2015).
- Member of the Board of Management (BoMs) of PCSIR

Labs. (2015).

- Visiting Professor at the University of Rhode Island (URI), USA
- Visiting Professor at the School of Healthcare Sciences at Manchester Metropolitan University, UK
- Visiting Professor at the Universiti Teknologi MARA (UiTM), Malaysia
- Visiting Professor at the Al-Farabi Kazakh National University, Kazakhstan
- Highly Cited Research Professor at the King Abdulaziz University (KAU), Jeddah, Saudi Arabia.
- Highly Cited Academic Icon at the University of Malaya, Malaysia.
- Visiting Professor at the King Saud University (KSU), Riyadh, Saudi Arabia.
- Visiting Professor at the University Kebangsaan Malaysia (UKM), Malaysia
- Member of the Civil Awards Committee (Government of Pakistan) 2014
- Member of the Ministry of Science and Technology Expert Committee (2013).
- Member of the Governing Body of the Ziauddin Medical University, Karachi (2013-2015).
- Member, Academic Council of COMSATS Institute of Information Technology (CIIT).
- Member of the Advisory Council, Forman Christian College, Lahore.
- Associate Member of International Union of Pure and Applied Chemistry (IUPAC) Organic and Biomolecular Chemistry Division for the term 2010-2011.
- Member of the Advanced Studies, Virtual University of Pakistan (2013).
- Member of the Board of Editors in the Stamford Journal of Pharmaceutical Sciences (2013).
- Member Editorial Board of International Journal of Biology and Chemistry, Kazakhstan
- Member of the Executive Committee of the National Commission for Science and Technology Pakistan (ECNCST), (2006-2010).
- Member of National Commission for Science and Technology, Chaired by the Prime Minister of Pakistan.
- Member of the Executive Committee of the National Commission on Science and Technology Chaired by the Prime Minister of Pakistan.

- Vice-President, Phytochemical Society of Asia.
- Member of the Executive Board of the Pakistan Atomic Energy Commission (Chaired by the Prime Minister of Pakistan) Chaired by the Prime Minister of Pakistan.
- Member of the National Commission on Nanotechnology.
- Member of the Board of Trustees of the Pakistan Science Foundation.
- Member of the National Commission on Biotechnology.
- Member of the Board of Governors of the Virtual University, Pakistan, 2008.
- Member of the Board of Governors of COMMECS Institute of Business and Emerging Sciences (CIBES), Karachi.

**MEMBERSHIPS
OF
PROFESSIONAL
SOCIETIES**

- Member of the American Chemical Society.
- Member of the American Society of Pharmacognosy.
- Member of the The New York Academy of Sciences.
- Member of the Federation of Asian Chemical Societies (FACS).
- Member, Executive Board of the Asian Network of Research on Anti-Diabetic Plants (ANRAP).
- Member of the American Physiological Society, USA.
- Member of the Steering Committee on Higher Education Pakistan (2002-2003) constituted by the President of Pakistan.
- Member of the Executive Council of AFASSA Network (Africa, Asia and South America).
- Member of the Swiss Chemical Society.
- Member of the Inter Academy Study Panel (IAP), Amsterdam, The Netherlands.

**MEMBERSHIPS
OF NATIONAL
COMMITTEES**

- Member of the Executive Committee of the National Commission for Science and Technology (ECNCST) (2014).
- Member of Standing Committee on Higher Education FPCCI (Federation of Pakistan Chambers of Commerce & Industry).
- Member of the Committee for Central Research Fund, Ministry of Health.
- Member of PTCL Research Board (2001-2004).
- Member of the Syndicate of the Federal Urdu University for Arts, Science and Technology.
- Member Sectoral Committee on University-Industry Steering Committee (Pharmaceutical) HEC, Islamabad.
- Member of the Selection Board of Member of the Selection Board of Pakistan Standards & Quality Control Authority.

- Member of the Board of Studies of COMSATS University.
- Member of the Board of Studies of the Lasbella University, Uthal, Baluchistan.
- Convener of the National Core Group in Chemistry of the Government of Pakistan.
- Numerous other Awards, Medals, and Shields from various national and international organizations.
- Organizing Secretary of biannual International symposia series on Natural Product Chemistry (1988-2000), 7th Eurasia Chemical Congress (March 2002) and Pak-US Binational Workshops on Natural Product Chemistry (Jan. 2000).
- Organizing Secretary of the 19th IUPAC Symposium on the Chemistry of Natural Products (1994) – The largest scientific event of Pakistan.

EXPERIENCE

Director

International Center for Chemical and Biological Sciences,
H.E.J. Research Institute of Chemistry
University of Karachi

October 2009
Present

Visiting Professor

School of Healthcare Sciences at Manchester Metropolitan
University, Mancheser
UK

Present

Visiting Professor

Universiti Malaysia Pahang
Malaysia

Present

Visiting Professor

University of Rhode Island (URI)
USA

Present

Visiting Professor

King Abdulaziz University (KAU)
Jeddah,
Saudi Arabia

Present

Visiting Professor

King Saud University (KSU)
Riyadh,
Saudi Arabia

Present

Visiting Professor

Universiti Teknologi MARA (UiTM)
Malaysia

Present

Visiting Professor

Universiti Kebangsaan Malaysia (UKM)
Malaysia

Present

Visiting Professor

Visiting Professor at the Al-Farabi Kazakh National University

Present

Kazakhstan

Director (Acting)

International Center for Chemical and Biological Sciences
H.E.J. Research Institute of Chemistry
University of Karachi

22 August
2002-
September
2008

Co-Director

Panjwani Center for Molecular Medicines and Drug Research
International Center for Chemical and Biological Sciences
University of Karachi

22 August
2002-Present

Professor

H.E.J. Research Institute of Chemistry
University of Karachi

April 2000-
Present

(Guiding Graduate Level Research in the Fields of Natural Products and Structural Organic Chemistry and In-charge of the Enzyme Inhibition Studies / Antioxidant Laboratories and Bioassay Facilities of the Institute).

Associate Professor

H.E.J. Research Institute of Chemistry,
University of Karachi

July 1994-
April 2000

Senior Fulbright Fellow

Scripps Institute of Oceanography
University of California, San Diego, USA

1994

Assistant Professor

H.E.J. Research Institute of Chemistry,
University of Karachi

Dec. 1988-
July 1994

Visiting Faculty

Department of Chemistry, Cornell University,
Ithaca, NY 14853, USA

Aug. 1994-
Dec. 1994

Visiting Faculty

Department of Chemistry, Cornell University,
Ithaca, NY 14853, USA

Aug. 1992-
Dec. 1992

Visiting Scientist

Department of Chemistry, Cornell University,
Ithaca, NY 14853, USA

May 1990-
Aug. 1990

Visiting Scientist

Department of Chemistry,
Cornell University, Ithaca, NY 14853, USA

June 1989-
Sep. 1989

Visiting Scientist

Department of Medicinal Chemistry
Purdue University, West Lafayette, Indiana 47907, USA

Sep. 1989-
Nov. 1989

Post Doctoral Research Associate

Department of Chemistry,
Cornell University, Ithaca, NY 14853, USA

Dec. 1987-
Dec. 1988

"Single Crystal X-Ray Diffraction Studies on Novel
Natural Products and Synthetic Peptides".

Senior Research Fellow

H.E.J. Research Institute of Chemistry
University of Karachi, Karachi-75270, Pakistan
"Isolation and Structure Elucidation of New Steroidal Alkaloids from *Buxus* Species".

Dec. 1986-
Oct. 1987

Research Associate

Department of Chemistry
Pennsylvania State University, University Park,
PA 16802, USA
"Phytochemical Studies on Medicinally Important Flora".

Nov. 1985-
Nov. 1986

Research Student

Department of Chemistry
University of Karachi, Karachi-75270, Pakistan
"Quantitative Analysis of Organic Pollutants in Soil and Rain Water of Karachi City".

Dec. 1981-
Aug. 1983

**SPECIAL
DISTINCTIONS
AND SERVICES**

- *Highest Number of International Research Publications by any Scientist of Pakistan in last 10 Year*
- *Secretary General, The Chemical Society of Pakistan*

A. BOOKS	Published in
1. "Solving Problems with NMR Spectroscopy" Eds. Atta-ur-Rahman, M. Iqbal Choudhary and Atia-tul-Wahab, Vol. 2, Academic Press, (2015).	USA
2. "Solving Problems with NMR Spectroscopy", Atta-ur-Rahman and M. Iqbal Choudhary , Academic Press, San Diego (1995).	USA
3. "Recent Discoveries in Natural Product Chemistry" (Proceedings of the 19 th IUPAC Symposium on the Chemistry of Natural Products, Jan., 1994, Karachi), Atta-ur-Rahman, M. Iqbal Choudhary and M. S. Shekhani, Elite Publishers, Karachi (1996).	Pakistan
4. "Progress in Medicinal Chemistry", (Studies in Medicinal Chemistry, Vol. I), M. Iqbal Choudhary , Harwood Academic Publishers, Amsterdam (1996).	The Netherlands
5. "Biological Inhibitors" (Studies in Medicinal Chemistry, Vol. II), M. Iqbal Choudhary , Harwood Academic Publishers, Amsterdam (1996).	The Netherlands
6. "New Trends in Natural Product Chemistry" (Proceedings of the 6th International Symposium on Natural Product Chemistry, Jan. 1996, Karachi), Atta-ur-Rahman and M. Iqbal Choudhary , Harwood Academic Publishers, Amsterdam (1998).	The Netherlands
7. "Manual of Bioassay Techniques for Drug Development", Atta-ur-Rahman and M. Iqbal Choudhary , Harwood Academic Publishers, Amsterdam (1999).	The Netherlands
8. Professor Atta-ur-Rahman <i>Personality and Achievements</i> , M. Iqbal Choudhary , Print Arts Publishers, Karachi (2002).	Pakistan
9. "Natural Product Chemistry at the Turn of the Century", Atta-ur-Rahman, M. Iqbal Choudhary , K. M. Khan, Print Arts Publishers, Karachi (2002).	Pakistan

10. "Development of Medicines From Plants," Ahsana Dar and **M. Iqbal Choudhary**, Print Arts Publishers, Karachi (2004) Pakistan
11. "Frontiers in Natural Product Chemistry", Atta-ur-Rahman, **M. Iqbal Choudhary**, Khalid M. Khan, Vol. **1**, Bentham Science Publishers, Amsterdam (2005). The Netherlands
12. "Frontiers in Drug Design and Discovery", Eds. G. W. Caldwell, Atta-ur-Rahman, M. R. Andrea and **M. Iqbal Choudhary**, Vol. **2**, Bentham Science Publishers, Amsterdam (2006). The Netherlands
13. "Frontiers in Drug Design and Discovery", Eds. G. W. Caldwell, Atta-ur-Rahman, Zhengyin and **M. Iqbal Choudhary**, Vol. **3**, Bentham Science Publishers, Amsterdam (2007). The Netherlands
14. "Frontiers in Medicinal Chemistry" Eds. Atta-ur-Rahman, Allan B. Reitz, **M. Iqbal Choudhary**, Vol. **4**, Bentham Science Publishers, Amsterdam (2009). The Netherlands
15. "Frontiers in Drug Design and Discovery", Eds. G. W. Caldwell, Atta-ur-Rahman, Zhengyin and **M. Iqbal Choudhary**, Vol. **4**, Bentham Science Publishers, Amsterdam (2009). The Netherlands
16. "Frontiers in Drug Design and Discovery", Eds. Atta-ur-Rahman and **M. Iqbal Choudhary**, Vol. **5**, Bentham Science Publishers, Amsterdam (2010). The Netherlands
17. "Frontiers in Anti-Infective Drug Discovery", Eds. Atta-ur-Rahman and **M. Iqbal Choudhary**, Vol. **1**, Bentham Science Publishers, Amsterdam (2010). The Netherlands
18. "Frontiers in CNS Drug Discovery", Eds. Atta-ur-Rahman and **M. Iqbal Choudhary**, Vol. **1**, Bentham Science Publishers, Amsterdam (2010). The Netherlands
19. "Frontiers in Cardiovascular Drug Discovery", Eds. Atta-ur-Rahman and **M. Iqbal Choudhary**, Vol. **1**, Bentham Science Publishers, Amsterdam (2010). The Netherlands
20. "Frontiers in Anti-Cancer Drug Discovery", Eds. Atta-ur-Rahman and **M. Iqbal Choudhary**, Vol. **1**, Bentham Science Publishers, Amsterdam (2010). The Netherlands
21. "Frontiers in Medicinal Chemistry", Eds. Atta-ur-Rahman, Allen B. Reitz and **M. Iqbal Choudhary**, Vol. **5**, Bentham Science Publishers, Amsterdam (2010). The Netherlands
22. "Anti-Angiogenesis-Drug Discovery and Development", Eds. Atta-ur-Rahman and **M. Iqbal Choudhary**, Vol. **1**, Bentham Science Publishers, Amsterdam (2011). The Netherlands
23. "Anti-Obesity Drug Discovery and Development", Eds. Atta-ur-Rahman and **M. Iqbal Choudhary**, Vol. **1**, Bentham Science Publishers, Amsterdam (2011). The Netherlands
24. "Structure-Activity Relationship Studies in Drug Development by NMR Spectroscopy", Eds. Atta-ur-Rahman and **M. Iqbal Choudhary**, Vol. **1**, Bentham Science Publishers, Amsterdam (2011). The Netherlands
25. "Discovery of Drug Leads from Medicinal Plants", Eds. Asad Khalid Ahmed and **M. Iqbal Choudhary**, Lambert Academy Publishing, Germany (2011). Germany
26. "Frontiers in Anti-Cancer Drug Discovery", Eds. Atta-ur-Rahman and **M. Iqbal Choudhary**, Vol. **2**, Bentham Science Publishers, Amsterdam (2013). The Netherlands

27. "Creating Chemical Space & Evaluation of their Biological Activities: Discovery of New Antioxidants and Synthesis of Sultam Libraries as Novel potential Therapeutic Agents", Eds. Hina Siddiqui and **M. Iqbal Choudhary**, Vol. **1**, Scholar's Press, Germany (2013). Germany
28. "Frontiers in CNS Drug Discovery", Eds. Atta-ur-Rahman and **M. Iqbal Choudhary**, Vol. **2**, Bentham Science Publishers, Amsterdam (2013). The Netherlands
29. "Anti-Angiogenesis Drug Discovery and Development", Eds. Atta-ur-Rahman and **M. Iqbal Choudhary**, Vol. **2**, Bentham Science Publishers, Amsterdam (2014). The Netherlands
30. "Anti-Obesity Drug Discovery and Development", Eds. Atta-ur-Rahman and **M. Iqbal Choudhary**, Vol. **2**, Bentham Science Publishers, Amsterdam (2014). The Netherlands
31. "Frontiers in Anti-Cancer Drug Discovery", Eds. Atta-ur-Rahman and **M. Iqbal Choudhary**, Vol. **3**, Bentham Science Publishers, Amsterdam (2014). The Netherlands
32. "Frontiers in Anti-Cancer Drug Discovery", Eds. Atta-ur-Rahman and **M. Iqbal Choudhary**, Vol. **4**, Bentham Science Publishers, Amsterdam (2014). The Netherlands
33. "Frontiers in Anti-infective Drug Discovery", Eds. Atta-ur-Rahman and **M. Iqbal Choudhary**, Vol. **2**, Bentham Science Publishers, Amsterdam (2014). The Netherlands
34. "Frontiers in Anti-infective Drug Discovery", Eds. Atta-ur-Rahman and **M. Iqbal Choudhary**, Vol. **3**, Bentham Science Publishers, Amsterdam (2014). The Netherlands
35. "Drug Design & Discovery Alzheimer's Disease", Eds. Atta-ur-Rahman and **M. Iqbal Choudhary**, Vol. **6**, Bentham Science Publishers, Amsterdam (2014). The Netherlands
36. "Applications of NMR Spectroscopy" Eds. Atta-ur-Rahman, **M. Iqbal Choudhary**, Vol. **1**, Bentham Science Publishers, Amsterdam (2015). The Netherlands
37. "Applications of NMR Spectroscopy" Eds, Eds. Atta-ur-Rahman, **M. Iqbal Choudhary**, Vol. **2**, Bentham Science Publishers, Amsterdam (2015). The Netherlands
38. "Frontiers in Anti-Cancer Drug Discovery", Vol. **5**, Eds Atta-ur-Rahman, **M. I. Choudhary**, Bentham Science Publishers, Amsterdam (2015). The Netherlands
39. "Frontiers in Anti-Infective Drug Discovery", Vol. **4**, Eds. Atta-ur-Rahman, **M. I. Choudhary**, Bentham Science Publishers, Amsterdam (2015). The Netherlands
40. "Frontiers in Cardiovascular Drug Discovery", Vol. **2**, Eds. Atta-ur-Rahman, **M. I. Choudhary**, Bentham Science Publishers, Amsterdam (2015). The Netherlands
41. "Frontiers in Clinical Drug Research - Alzheimer Disorders", Vol. **3**, Eds Atta-ur-Rahman, **M. Iqbal Choudhary**, Bentham Science Publishers, Amsterdam (2015). The Netherlands
42. "Frontiers in Clinical Drug Research – HIV", Vol. **1**, Eds. Atta-ur-Rahman, **M. Iqbal Choudhary**, Bentham Science Publishers, Amsterdam (2015). The Netherlands
43. "Frontiers in Medicinal Chemistry", Vol. **7**, Eds. Atta-ur-Rahman, **M. Iqbal Choudhary**, Jizhou Wang, Allen B. Reitz, Bentham Science Publishers, Amsterdam (2015). The Netherlands
44. "Frontiers in Clinical Drug Research – HIV", Vol. **2**, Eds. Atta-ur-Rahman, **M. Iqbal Choudhary**, Bentham Science Publishers, Amsterdam (2015). The Netherlands

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| 45. | “Frontiers in Clinical Drug Research - Alzheimer Disorders”, Vol. 4, Eds Atta-ur-Rahman, M. Iqbal Choudhary , Bentham Science Publishers, Amsterdam (2015). | The Netherlands |
| 46. | “Applications of NMR Spectroscopy”, Vol. 3, Eds. Atta-ur-Rahman, M. Iqbal Choudhary , Bentham Science Publishers, Amsterdam (2015). | The Netherlands |
| 47. | “Anti-Angiogenesis Drug Discovery and Development”, Vol. 3, Eds. Atta-ur-Rahman, M. Iqbal Choudhary , Bentham Science Publishers, Amsterdam (2015). | The Netherlands |
| 48. | “Recent Advances in Medicinal Chemistry”, Vol. 1, Eds. Atta-ur-Rahman, M. Iqbal Choudhary , G. Perry, Bentham Science Publishers, Amsterdam (2015). | The Netherlands |
| 49. | “Drug Design and Discovery in Alzheimer's Disease”, Vol. 1, Eds. Atta-ur-Rahman, M. Iqbal Choudhary , G. Perry, Bentham Science Publishers, Amsterdam (2015). | The Netherlands |
| 50. | “Frontiers in Anti-Cancer Drug Discovery”, Eds. Atta-ur-Rahman and M. Iqbal Choudhary , Vol. 6, Bentham Science Publishers, Amsterdam (2015). | The Netherlands |
| 51. | “Recent Advances in Medicinal Chemistry”, Vol. 2, Eds. Atta-ur-Rahman, M. Iqbal Choudhary , G. Perry, Bentham Science Publishers, Amsterdam (2015). | The Netherlands |
| 52. | “Applications of NMR Spectroscopy”, Vol. 4, Eds. Atta-ur-Rahman, M. Iqbal Choudhary , Bentham Science Publishers, Amsterdam (2016). | The Netherlands |
| 53. | “Frontiers in Anti-Cancer Drug Discovery”, Eds. Atta-ur-Rahman and M. Iqbal Choudhary , Vol. 7, Bentham Science Publishers, Amsterdam (2016). | The Netherlands |
| 54. | “Applications of NMR Spectroscopy”, Vol. 5, Eds. Atta-ur-Rahman, M. Iqbal Choudhary , Bentham Science Publishers, Amsterdam (2016). | The Netherlands |
| 55. | “Frontiers in Medicinal Chemistry”, Vol. 8, Eds. Atta-ur-Rahman, M. Iqbal Choudhary , Jizhou Wang, Allen B. Reitz, Bentham Science Publishers, Amsterdam (2016). | The Netherlands |
| 56. | “Frontiers in Medicinal Chemistry”, Vol. 9, Eds. Atta-ur-Rahman, M. Iqbal Choudhary , Jizhou Wang, Allen B. Reitz, Bentham Science Publishers, Amsterdam (2016). | The Netherlands |
| 57. | “Frontiers in Cardiovascular Drug Discovery”, Vol. 3, Eds. Atta-ur-Rahman, M. I. Choudhary , Bentham Science Publishers, Amsterdam (2016). | The Netherlands |
| 58. | “Anti-Angiogenesis Drug Discovery and Development”, Vol. 4, Eds. Atta-ur-Rahman, M. Iqbal Choudhary , Bentham Science Publishers, Amsterdam (2016). | The Netherlands |
| 59. | “Frontiers in Drug Design and Discovery”, Eds. Atta-ur-Rahman and M. Iqbal Choudhary , Vol. 7, Bentham Science Publishers, Amsterdam (2016). | The Netherlands |
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B. CHAPTERS IN BOOK

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|----|--|----------|
| 1. | "Studies on the Alkaloids of <i>Buxus papillosa</i> : and the Spectral Generalizations", Atta-ur-Rahman and M. Iqbal Choudhary , "Recent Advances in Natural Product Chemistry", p. 263, Shamim Printing Press, Karachi (1987). | Pakistan |
|----|--|----------|

2. "Structural Studies on New Steroidal Alkaloids of *Buxus papillosa*: Some Generalized Spectral Deductions", Atta-ur-Rahman and **M. Iqbal Choudhary**, "Studies in Natural Product Chemistry", (Structure Elucidation) p. 175, Vol. 2, Elsevier Science Publishers, Amsterdam (1988). The Netherlands
3. "Purine Alkaloids", Atta-ur-Rahman and **M. Iqbal Choudhary**, "The Alkaloids", Ed. A. R. Brossi, p. 225, Chapter 3, Vol. 38, Academic Press, New York (1990). USA
4. "New Steroidal Alkaloids from the Leaves of *Buxus hildebrandtii*", A. Ata, Atta-ur-Rahman, **M. Iqbal Choudhary** and E. Dagne, "Proceedings of the Second National Chemistry Conference", p. 212, Karachi (1990). Pakistan
5. "New Steroidal Alkaloids from *Veratrum album*", Atta-ur-Rahman, R. A. Ali, **M. Iqbal Choudhary**, B. Sener and S. Turkoz, "Proceedings of the Second National Chemistry Conference", p. 215, Karachi (1990). Pakistan
6. "Spectroscopic and X-Ray Diffraction Studies on New Furanoid Diterpenoids of *Tinospora malabarica*", Atta-ur-Rahman, **M. Iqbal Choudhary** and S. Ahmed, "Proceedings of the Second National Chemistry Conference", p. 220, Karachi (1990). Pakistan
7. "Chemical constituents of *Buxus sempervirens* Roots", Atta-ur-Rahman, S. Naz, **M. Iqbal Choudhary** and B. Sener, "Proceedings of the Second National Chemistry Conference", p. 225, Karachi (1990). Pakistan
8. "*Camellia sinensis* as Anti-carcinogenic Drug", Zahir Shah, **M. Iqbal Choudhary**, I. B. Baloach and Nusratullah, "Proceedings of the Second National Chemistry Conference", p. 274, Karachi (1990). Pakistan
9. "X-Ray Crystallographic Studies on Novel Natural Products from Marine Animals", **M. Iqbal Choudhary** and J. Clardy, "Studies in Natural Product Chemistry", Vol. 9, p. 3, Elsevier Science Publishers, Amsterdam (1991). The Netherlands
10. "Principles and Applications of Modern 2D NMR Techniques in Structure Elucidation of Complex Natural Products", Atta-ur-Rahman, **M. Iqbal Choudhary** and A. Parveen, "Studies in Natural Product Chemistry", Vol. 9, p. 127, Elsevier Science Publishers, Amsterdam (1991). The Netherlands
11. "Studies on the Chemical Constituents of Marine Animals and Plants of Coastal Zones of Pakistan", Atta-ur-Rahman and **M. Iqbal Choudhary**, "Proceedings of the 1st National Seminar on the Study and Management of Coastal Zones of Pakistan", Karachi, p. 149 (1991). Pakistan
12. "Semperviramidine-A New Steroidal Alkaloid from *Buxus sempervirens*", Atta-ur-Rahman, D. Ahmed, **M. Iqbal Choudhary**, B. Sener and S. Turkoz, "Essays on Science: Felicitation Volume", p.48, Ed. H.M. Said, MAS Printers, Karachi (1991). Pakistan
13. "Two Dimensional NMR Spectroscopy - Applications in Structure Elucidation of Complex Natural Products", Atta-ur-Rahman, **M. Iqbal Choudhary** and A. Ata "Medicinal Products from Tropical Rain Forests", "Proceedings of the Conference", p. 196, Ed. K. Shaari, Forest Research Institute, Malaysia (1991). Malaysia
14. "X-Ray Diffraction Studies on Novel Natural Products", **M. Iqbal Choudhary** and Atta-ur-Rahman, "Advances in Natural Product Chemistry (Proceedings of the 5th International Symposium and Pakistan-U.S. Binational Workshop on Natural Product Chemistry, Karachi)", p. 351, Harwood Academic Publishers, Singapore (1992). Singapore

15. "The Use of Modern NMR Techniques in structure Elucidation of New Natural Products", Atta-ur-Rahman and **M. Iqbal Choudhary**, "Advances in Natural Product Chemistry (Proceedings of the 5th International Symposium and Pakistan-U.S. Binational Workshop on Natural Product Chemistry, Karachi)", p. 463, Harwood Academic Publishers, Singapore (1992). Singapore
16. "Steroidal Alkaloids", Atta-ur-Rahman and **M. Iqbal Choudhary**, "Methods in Plant Biochemistry", Ed. P.G. Waterman, Vol. 9, p. 473, Academic Press, London (1993). UK
17. "*Allium*- Food or Medicine: The Enchanting Organo-sulfur Compounds of *Allium*", Atta-ur-Rahman and **M. Iqbal Choudhary**, "Proceedings of the First International Conference on the Impact of Food Research on New Product Development", Karachi, p. 151, Published by University of Humberside, Hull, USA (1994). USA
18. Structural Studies on Steroidal Alkaloids of *Buxus sempervirens*, S. Naz, Atta-ur-Rahman, **M. Iqbal Choudhary** and B. Sener, "Proceedings of the 5th National Chemistry Conference", p. 271, Islamabad (1995). Pakistan
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- *The Natural Products Journal*, Bentham Science Publishers, Amsterdam, The Netherlands.
- *The Open Bioactive Compounds*, Bentham Science Publishers, Amsterdam, The Netherlands.
- *Current Traditional Medicine*, Bentham Science Publishers, Amsterdam, The Netherlands.

E. SCHOLARS WHO COMPLETED PH.D. STUDIES UNDER THE SUPERVISION OF PROF. DR. M. IQBAL CHOUDHARY

S. #	NAME	Year	THESIS TITLE
1.	Dr. Bakht Baidar Ali (Ph. D.) (Co-supervisor)	1994	Phytochemical Investigations on the Constituents of <i>Buxus papillosa</i> and Related Medicinal Plants.
2.	Dr. Attar Ata (Ph. D.)	1995	Phytochemical and Structural Studies on the Chemical Constituents of <i>Buxus hildebrandtii</i> and <i>B. sempervirens</i> .
3.	Dr. Farzana Akhtar (Ph. D.)	1997	Isolation and Structural Studies on the Chemical Constituents of <i>Withania somnifera</i> , <i>Fumaria flabellata</i> and X-Ray Diffraction Studies.
4.	Dr. Farzana Shaheen (Ph. D.)	1998	Isolation of Antiepileptic constituents and Biotransformation of Bioactive Natural Products from some Medicinally Important Plants of Pakistan.

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| 5. | Dr. Muhammad Yusuf
(Ph. D.) | 1998 | Isolation and Structural Studies on the Chemical Constitutents of Medicinal Plants <i>Skimmia laureola</i> and <i>Withania coagulans</i> . |
| 6. | Dr. Muhammad Nadeem
(Ph. D.) | 1999 | Phytochemical Studies on <i>Sarcococca</i> Species and Related Medicinal Plants. |
| 7. | Dr. Dur-e-Shahwar
(Ph. D.) | 1999 | Isolation and Structural Studies on the Withanolidal Constituents of <i>Withania coagulans</i> . |
| 8. | Dr. Mufti Asif Ullah
(Ph. D.) | 1999 | Production and use of Tailor-made Biological Catalysts. |
| 9. | Dr. Mohsin Raza
(Ph. D.)

(Co-supervisor) | 1999 | Investigation of Antiepileptic Activities of <i>Aloe vera</i> and Related Medicinal Plants From the Flora of Pakistan |
| 10. | Dr. Abdul Majeed
(Ph. D.) | 2000 | Phytochemical and Structural Studies on the Chemical Constituents of <i>Taxus wallichiana</i> , <i>Tanacetum gracile</i> , <i>Jolyna laminarioides</i> and Other Marine Alage. |
| 11. | Dr. M. Riaz Khan
(Ph. D.)
(Co-supervisor) | 2001 | Isolation and Identification of the Chemical Constituents of <i>Sarcococca saligna</i> . |
| 12. | Dr. M. D. Nur-e-Alam
(Ph.D.) | 2001 | Phytochemical Studies on Three Medicinal Plants, <i>Iris bungei</i> , <i>Carduus crispus</i> and <i>Withania coagulans</i> . |
| 13. | Dr. Irfan Baig
(Ph. D.) | 2002 | Phytochemical Studies on <i>Ferula mongolica</i> and other Mongolian Medicinal Palnts. |
| 14. | Dr. Asaad Khalid
(Ph. D.) | 2003 | Biochemical Studies on New Natural Inhibitors of Cholinesterases. |
| 15. | Dr. Syed Ghulam Musharaf
(Ph. D.) | 2004 | Microbial Transformation of Some Bioactive Cyclic compounds |
| 16. | Dr. Adnan Ali Shah
(Ph. D.) | 2005 | Isolation and Characterization of Secondary Metabolites from Marine Funi of Arabian Sea and Microbial Transformation of Some Bioactive Compounds. |
| 17. | Dr. Rosa Ranjit
(Ph. D.) | 2005 | Isolation and Structure Elucidation of Secondary Metabolites from <i>Leucosceptrum canum</i> and Related Medicinal Plants. |
| 18. | Dr. Krishna Prasad Devkota
(Ph. D.) | 2005 | Bioprospecting Studies on <i>Sarcococca hookeriana</i> Baill, <i>Sonchus wightianus</i> Dc., <i>Paris Polyphylla</i> Smith and Related Medicinal Plants of Nepal. |

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| 19. | Dr. Sadia Sultan
(Ph. D.) | 2005 | Studies on the Structural Modifications of the Steroids and Related Compounds by Microorganisms |
| 20. | Dr. Humaira Yasmeen Gondal
(Ph. D.) | 2005 | Isolation and Biotransformation of Bioactive Compounds from Medicinal Plants. |
| 21. | Dr. Aziz Uddin
(Ph. D.) | 2005 | Phytochemical Studies on <i>Murraya paniculata</i> and Related Medicinal Plants of Pakistan and Microbial Transformation of Bioactive Compounds. |
| 22. | Dr. Sarfraz Ahmed Nawaz
(Ph. D.) | 2005 | Studies on New Specific Inhibitors of Some Clinically Important Enzymes. |
| 23. | Dr. Naheed Fatima
(Ph. D.) | 2005 | Studies on New Inhibitors of Phosphodiesterases of Different Origins |
| 24. | Dr. Syed Shahzad-ul-Hussan
(Ph. D.) | 2005 | Studies on Binding of Aminoglycosides to RNA, and Inhibitors of α -Glucosidase Enzymes. |
| 25. | Dr. Ahmad Abbas Khan
(Ph. D.) | 2006 | Phytochemical and Biological studies on the constituents of <i>Isodon rugosus</i> and Chemotaxonomic Studies on Indian Celery Seeds (<i>Seseli diffusum</i>). |
| 26. | Dr. Sammerr Yousuf
(Ph.D.) | 2007 | Isolation, Structure Elucidation and Biotransformation Studies of Secondary Metabolites from <i>Withania somnifera</i> and Related Plants. |
| 27. | Dr. Salma Shahnaz
(Ph. D.) | 2007 | Phytochemical Studies on the Steroidal and Constituents of <i>Buxus hyrcana</i> and <i>Juniperus communis</i> . |
| 28. | Dr. Zafar Ali Siddiqui
(Ph. D.) | 2007 | Biotransformational Studies on Bioactive Secondary Metabolites of Plant Origin. |
| 29. | Dr. Muhammad Atif
(Ph. D.) | 2007 | Structural Modifications of Bioactive Compounds by Microorganisms and the Isolation of Secondary Metabolites from Fungi. |
| 30. | Dr. Afshan Begum
(Ph. D.) | 2007 | Isolation and Structural Studies on Phytochemicals Active in Various Biological Assays. |
| 31. | Dr. Muhammad Arif Lodhi
(Ph.D.) | 2007 | Studies on New Natural and Synthetic Inhibitors of Urease. |
| 32. | Dr. Shams-un-Nahar Khan
(Ph. D.) | 2008 | Chemical Investigation on the Bioactive Constituents of <i>Vernonia</i> , Related Medicinal Plants and α -Glucosidase Inhibition Studies on Natural and Synthetic Compounds. |

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| 33. | Dr. Suad Naheed
(Ph. D.) | 2008 | Assessment of the Efficacy of Natural Products on Lipidemias, Hypercholesterolemia and Related Metabolic and Hormonal Abnormalities. |
| 34. | Dr. Saima Jalil
(Ph. D.) | 2008 | Evaluation of Anti-Inflammatory Effects of Natural and Synthetic Compounds. |
| 35. | Dr. Shamsheer Ali
(Ph. D.) | 2008 | Secondary Metabolites From <i>Buxus papillosa</i> and <i>Sarcococca hookeriana</i> and X-Ray Diffraction Studies on Natural and Synthetic Compounds |
| 36. | Dr. Asma Ejaz
(Ph. D.) | 2009 | Studies on Antioxidant and Antiobesity Bioactive Compounds From Medicinal Plants of Pakistan and of Synthetic Origin |
| 37. | Dr. Saleem Jan
(Ph. D.) | 2009 | Isolation and Structure Elucidation of Bioactive Metabolites From <i>Astragalus bicuspidis</i> |
| 38. | Dr. Sumaira Hareem
(Ph. D.) | 2009 | Isolation, Structural and Biotransformation Studies on Secondary Metabolites From <i>Iris loczyi</i> and Related Medicinal Plants |
| 39. | Dr. Khalid Parvez
(Ph.D.) | 2009 | Studies on the Bioactive Chemical Constituents of <i>Sophora alopecuroides</i> and Solid-Phase Synthesis of Carbohydrates |
| 40. | Dr. Achyut Adhikari
(Ph.D.) | 2010 | Bioprospecting Studies on <i>Sarcococca coriacea</i> (HOOK. F.) of Nepalese Origin |
| 41. | Dr. Sajjan Lal Shyaula
(Shrestha)
(Ph.D.) | 2010 | Isolation and Structure Elucidation of Bioactive Compounds from <i>Osyris wightiana</i> |
| 42. | Dr. Naik Tamkeen Khan
(Ph.D.) | 2010 | Biotransformation of Enzyme Inhibitors and Other Bioactive Compounds |
| 43. | Dr. Hina Siddiqui
(Ph.D.) | 2010 | Studies on Antioxidant Properties of Chemical Constituents and Synthesis of Sultam Libraries as Novel Potential Therapeutic Agents |
| 44. | Dr. Ghulam Abbas
(Ph.D.) | 2010 | Discovery of New Antiglycation Agents of Natural and Synthetic Origins Structural and Functional Studies on Glucagon and Glucagon-like Peptide 1 Receptors and Screening for Their Antagonists Agonists |
| 45. | Dr. Sajjad Ali
(Ph.D.) | 2010 | Discovery of Antioxidants From Natural and Synthetic Sources and Study of Their Effect on the Onset of the Diabetes in Model Rats |
| 46. | Dr. Sofia Khalique Alvi
(Ph.D.) | 2010 | Black Carbon in Ambient Air Karachi: Implications to Regional Climate and Air Quality |

47.	Dr. Juveria Siddiqui (Ph.D.)	2011	Evaluation of the Antioxidant Constituents of Plant – Based Food in Pakistan
48.	Dr. Nadira Naheed (Ph.D.)	2011	Investigations on the Structure and Bioactivity of the Chemical Constituents of <i>Spiraea canescens</i> and a Fresh Water Fern <i>Salvinia molesta</i>
49.	Dr. Samina Abdul Sattar (Ph.D.)	2011	Studies on Anticancer Agents and other Bioactive Compounds of Dietary Origin
50.	Dr. Shahab Alam (Ph.D.)	2012	Isolation of Bioactive Natural Products from <i>Lonicera nummularifolia</i> , and Related Medicinal Plants and Combinatorial Synthesis of Natural Product Libraries
51.	Dr. Marium Bibi (Ph.D.)	2012	Biotransformation of Bioactive Steroids and Terpenes and Study of Factors Responsible of Selected Transformation
52.	Dr. Salman Zafar (Ph.D.)	2012	Study of Biotransformation of Most Common Drugs by Microbial and Plant Cell Cultures
53.	Dr. Saima Maher (Ph.D.)	2012	Isolation and Structural Studies on Bioactive Constituents of <i>Viscum album</i> and <i>Withania coagulans</i>
54.	Dr. Rida Ahmed (Ph.D.)	2012	Fast Derelication and Standaroization Studies on Some Medicinal Plants of Pakistan.
55.	Dr. Humaira Jahan (Ph.D.)	2012	Inhibition of the Molecular Mechanism of Diabetes by Natural and Synthetic Antiglycation Agents.
56.	Dr. Ala Uddin (Ph.D.) (Co-supervisor)	2012	Phytochemistry and Bioactivity of <i>Maytenus royleanus</i> and <i>Ficus Faveolata</i>
57.	Dr. Saima Rasheed (Ph.D.)	2013	Study of the Antiglycation Agents of Natural and Synthetic Origin
58.	Dr. Humera Waheed (Ph.D.) (Co-supervisor)	2013	Study of Hemoglobin Protein from Leaf-nosed Viper (<i>Eristicophis macmahonii</i>) and SSindh Krait (<i>Bungarus sindanus sindanus</i>) and the Protein Translocation Complex from <i>Escherichia coli</i> .
59.	Dr. Ajmal Khan (Ph.D.)	2013	Identification and Biochemical Studies on the Inhibitors of Ureases.
60.	Dr. Kourosh Dalvandi (Ph.D.)	2013	Invitro Studies on the Inhibition of Beta Amyloid Deposition and of Cholinesterase Function by Natural and Synthetic Anti-Alzheimer Compounds.

61.	Dr. Shumaila Tasneem (Ph.D.)	2013	Effects on Dense Granule Secretion, Platelet Aggregation, Signaling Mechanisms, Antiinflammatory and Antioxidants Properties of COX Inhibitors and Lipid Lowering Drugs.
62.	Dr. Bishnu Prasad Marasini (Ph.D.) (Co-supervisor)	2013	Screening and Structure Activity Relationship Studies on Inhibitors of α -Chymotrypsin and Glycogen Synthase Kinase-3.
63.	Dr. Shehnaz Perveen (Ph.D.) (Co-supervisor)	2014	Studies on the Chemical Constituents of <i>Buxus species</i>
64.	Dr. Amjad Hussain (Ph.D.)	2014	Metabolomic Studies on Bioactive Compounds from <i>Salvia leriifolia</i> Benth
65.	Dr. Munazza Raza Mirza (Ph.D.)	2014	Novel Bioanalytical Tools for Highly Selective Enrichment of Phosphopeptides
66.	Dr. Muhammad Saleem (Ph.D.)	2015	Identification Biochemical and Mechanistic Studies on the Inhibitors of Carbonic Anhydrase-II and Other Enzymes
67.	Dr. Saba Farooq (Ph.D.) (Co-supervisor)	2015	Study of Possible Reversal Resistance in Some disease-causing Multiple Drug Research Bacteria by Natural Product and Other Biotechnological Tools
68.	Dr. Nusrat Hussain (Ph.D.)	2015	Phytochemical Investigation on <i>Lyonia ovalifoli</i> and Related Medicinal Plants, and Structural Transformation of Some Bioactive Natural Products
69.	Dr. Saira Bano (Ph.D.)	2015	Synthesis of Libraries of Potential Anti-Inflammatory Compounds by Biotransformational Techniques
70.	Dr. Malik Shoaib Ahmad (Ph.D.)	2015	Biotransformation of Steroids, Diterpene and Polyketide, and Study of Their Biological Activities
71.	Dr. Shahida Perveen (Ph.D.)	2016	Studies on Hepatoprotective Effects of Synthetic Compounds and Secondary Metabolites of Medicinal Plants by Using Antioxidant and Relevant Bioassays
72.	Dr. Humaira Zafar (Ph.D.)	2016	Study on the Inhibition of Oxidative Enzyme (Xanthine oxidase) as a Tool to Prevent Oxidative Stress and Related Diseases
73.	Ms. Fauzia (Ph.D.) (Co-supervisor)	2016	Evaluation of the Anti-kidney Stone (Anti-urolithiasis) Activity of Natural Products, and Study of their Mechanism of Action

74.	Dr. Sumaira Javaid (Ph.D.)	2016	Screening of Chemical Compounds (Secondary Metabolites and Heterocyclic Synthetic Compounds) for their Anti-angiogenic, Anti-oxidant, and CNS Myelin Repair Activities.
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F. SCHOLARS STUDIES WHO COMPLETED M.PHIL. UNDER THE SUPERVISION OF PROF. DR. M. IQBAL CHOUDHARY

1.	Mr. Abdul Jabbar (M. Phil.)	1994	Isolation and Structural-Studies on The Alkaloids and Non Nitrogenous Compounds of <i>Thermopsis turcica</i> and <i>Murraya paniculata</i>
2.	Ms. Iffat Batool (M. Phil.)	2006	Synthesis of Novel Derivative of Bioactive Supptances by Microbial Transformation
3.	Mr. Muhammad Nasir (M. Phil.)	2008	Structural Modification of Bioactive Natural Products by Fungi
4.	Ms. Sadia Khan (M. Phil.)	2010	Studies on Natural Products Active Against Malarial Parasites by Using <i>in vivo</i> and <i>in vitro</i> Bioassay Methods
5.	Ms. Samreen (M. Phil.)	2011	Study of Leishmanicidal Compounds from Medical Plants
6.	Mr. Meher Ali (M. Phil.)	2011	Chemical and Bioassay Screening Studies on Lichens of Pakistani Origin
7.	Ms. Iman Omar (M. Phil.)	2012	Studies on Compounds for their Antioxidant Properties and Synthesis of High-load Oligomeric Dichlorotriazine (ODCT) and Synthesis of Sultam Scaffolds using Intramolecular Diels-Alder (IMDA) Method.
8.	Ms. Marium Munawar (M. Phil.)	2012	Chemical Investigation of <i>Aconitum</i> and <i>Delphinium</i> Species and Studies of their Anticonvulsant Properties.
9.	Ms. Rabia Hameed (M.S.) (Co-supervisor)	2012	Characterization and Biological Activity of the Derivatives of the Isolated Constituents From <i>Hartimannia resea</i>
10.	Mr. Abdul Wajid Khan (M. Phil.) (Co-supervisor)	2012	Phytochemical Studies on <i>Aerva javanica</i>
11.	Ms. Shaista Parveen (M. Phil.) (Co-supervisor)	2012	Phytochemical Studes on <i>Fagonia cretica</i>
12.	Ms. Afsheen Raees (M. Phil.)	2013	Changes in Lipid Profile and Oxidative Stress Ring Experimental Hyperlipidemia.

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| 13. | Ms. Nasreen Begum
(M. Phil.) | 2013 | Phytochemical Studies and Bioassay Evaluation of <i>Ipomoea carnea</i> . |
| 14. | Ms. Syeda Tahira Hasan
(M. Phil.) | 2013 | Effect of Curcumin and other Dietary Antioxidants on Cardiovascular Disease. |
| 15. | Ms. Salima Lalani
(M. Phil.)
(Co-supervisor) | 2013 | Studies on Mechanism of Action of α -Glucosidase Inhibitors. |
| 16. | Mr. Shahid Ali Khan
(M. Phil.) | 2014 | Isolation, Characterization and Bioactivity Evaluation of the Chemical Constituents of <i>Conyza canadensis</i> and <i>Withania coagulans</i> |
| 17. | Ms. Syeda Tatheer Fatima
(M. Phil.) | 2014 | Discovery of New Antibiotics Against MDR Bacteria |
| 18. | Ms. Ayesha Sarah
(M. Phil.)
(Co-supervisor) | 2014 | Application of Biochemical Saturation Transfer Difference and Other NMR Techniques for the Discovery of High Affinity Urease Inhibitors |
| 19. | Ms. Anum Jabeen Mughal
(M. Phil.) | 2016 | Establishment and Characterization of Human Breast Cancer Cell Line of Pakistani Origin |

G. RESEARCH PUBLICATIONS

(Total Impact Factor 1,700 Total Citation 11,300, h-Index 41)

1.	Isolation and Structure of Rosamine, a New Pseudoindoxyl Alkaloid from <i>Catharanthus roseus</i> , Atta-ur-Rahman, I. Ali, M. Bashir and M. I. Choudhary , <i>Z. Naturforsch.</i> , 39b , 1292-1293 (1984).	Walter de Gruyter
2.	Nigellimine-N-Oxide- a New Isoquinoline Alkaloid from the Seeds of <i>Nigella sativa</i> , Atta-ur-Rahman, S. Malik, S. Ahmed, M. I. Choudhary and Habib-ur-Rehman, <i>Heterocycles</i> , 23 , 953-955 (1985).	Elsevier
3.	NMR and Mass Spectroscopic Studies on Catharine, Atta-ur-Rahman, I. Ali and M. I. Choudhary , <i>Z. Naturforsch.</i> , 40b , 543-545 (1985).	Walter de Gruyter
4.	The Isolation and Structure of Buxaquamarine- a New Steroidal Alkaloid from <i>Buxus papilosa</i> , Atta-ur-Rahman, M. I. Choudhary and M. Nisa, <i>Heterocycles</i> , 23 , 1951-1954 (1985).	Elsevier
5.	Isolation and ¹³ C-NMR Studies on Cathovaline- an Alkaloid from the Leaves of <i>Catharanthus roseus</i> , Atta-ur-Rahman, I. Ali and M. I. Choudhary , <i>Planta Med.</i> , 51 , 447-448 (1985).	Thieme Medical Publishers
6.	Cyclobuxoviricine- a Steroidal Alkaloid from <i>Buxus papilosa</i> , Atta-ur-Rahman, M. I. Choudhary and M. Nisa, <i>Phytochemistry</i> , 24 , 3082-3083 (1985).	Elsevier
7.	Alkaloids from the Leaves of <i>Buxus papilosa</i> , Atta-ur-Rahman, M. I. Choudhary , I. Ali and Habib-ur-Rehman, <i>J. Nat. Prod.</i> , 49 , 106-110 (1986).	ACS Publications

8.	30-Acetoxy- <i>N</i> ⁹ -Benzoylbuxidienine- a New Alkaloid from the Leaves of <i>Buxus papillosa</i> , Atta-ur-Rahman and M. I. Choudhary , <i>J. Chem. Soc., Perkin Trans.</i> , I , 919-921 (1986).	The Royal Society of Chemistry
9.	Bannucine- a New Dihydroindole Alkaloid from <i>Catharanthus roseus</i> (L) G. Don, Atta-ur-Rahman, I. Ali and M. I. Choudhary , <i>J. Chem. Soc., Perkin Trans.</i> , I , 923-926 (1986).	The Royal Society of Chemistry
10.	*Five New Steroidal Alkaloids from <i>Buxus papillosa</i> , Some Relationship between Structures and Specific Rotations, M. I. Choudhary , Atta-ur-Rahman, A. J. Freyer and M. Shamma, <i>Tetrahedron</i> , 42 , 5747-5752 (1986).	Elsevier
11.	New Alkaloids from <i>Buxus papillosa</i> , M. I. Choudhary , Atta-ur-Rahman, A.J. Freyer and M. Shamma, <i>J. Nat. Prod.</i> , 50 , 84-88 (1987).	ACS Publications
12.	<i>N</i> -Benzoyl-16-acetylcyclobuxidine: a New Alkaloid from the Leaves of <i>Buxus papillosa</i> , Atta-ur-Rahman, M. I. Choudhary and M. Nisa, <i>Planta Med</i> , 53 , 75-77 (1987).	Thieme Medical Publishers
13.	<i>N</i> -Formylcyclomicrobuxine- a New Alkaloid from the Leaves of <i>Buxus papillosa</i> , Atta-ur-Rahman, M. Alam, M. I. Choudhary and S. Firdous, <i>Planta Med</i> , 53 , 496-497 (1987).	Thieme Medical Publishers
14.	Papillamidine- a New Steroidal Alkaloid from the Leaves of <i>Buxus papillosa</i> , Atta-ur-Rahman, M. Alam, G. Ahmed and M. I. Choudhary , <i>Heterocycles</i> , 27 , 89-92 (1988).	Elsevier
15.	Four Steroidal Alkaloids from <i>Buxus papillosa</i> , M. I. Choudhary , Atta-ur-Rahman, and M. Shamma, <i>Phytochemistry</i> , 27 , 271-274 (1988).	Elsevier
16.	Buxaminone- a New Alkaloid from the Leaves of <i>Buxus papillosa</i> , Atta-ur-Rahman, M. Alam and M. I. Choudhary , <i>J. Nat. Prod.</i> , 51 , 309-310 (1988).	ACS Publications
17.	Chemical Constituents of <i>Buxus sempervirens</i> , Atta-ur-Rahman, D. Ahmed, M. I. Choudhary , S. Turkoz and B. Sener, <i>Planta Med</i> , 54 (2), 173-174 (1988).	Thieme Medical Publishers
18.	Alkaloids from the Leaves of <i>Alstonia macrophylla</i> , Atta-ur-Rahman, F. Nighat, M. I. Choudhary and K.T.D. de Silva, <i>Heterocycles</i> , 27 , 961-965 (1988).	Elsevier
19.	(+)- <i>N</i> -Formylharappamine and (+)- <i>N</i> -Formylpapilicine- Two New Steroidal Alkaloids from <i>Buxus Papillosa</i> , M. I. Choudhary , Atta-ur-Rahman and M. Shamma, <i>Phytochemistry</i> , 27 , 1561-1562 (1988).	Elsevier
20.	Semperviramidine- a New Steroidal Alkaloid from <i>Buxus sempervirens</i> , Atta-ur-Rahman, D. Ahmed, M. I. Choudhary , B. Sener and S. Turkoz, <i>Phytochemistry</i> , 27 (7), 2367-2368 (1988).	Elsevier
21.	Alkaloids from the Leaves of <i>Buxus sempervirens</i> , Atta-ur-Rahman, D. Ahmed, M. I. Choudhary , B. Sener and S. Turkoz, <i>J. Nat. Prod.</i> , 51 (4), 783-786 (1988).	ACS Publications
22.	Malabarolide- a Novel Furanoid Bisnorditerpenoid from <i>Tinospora malabarica</i> , Atta-ur-Rahman, S. Ahmed, D.S. Rycroft, L. Parkanyi, M. I. Choudhary and J. Clardy, <i>Tetrahedron Lett.</i> , 29 , 4241-4244 (1988).	Elsevier

23.	Neozeylanicine- a Novel Alkaloid from the Timber of <i>Neonauclea zeylanica</i> , Atta-ur-Rahman, I. I. Vohra, M. I. Choudhary , L. B. De Silva, W.H.M.W. Herath and K. M. Navaratne, <i>Planta Med</i> , 54 , 461-462 (1988).	Thieme Medical Publishers
24.	(+)- <i>N</i> -Acetyl- <i>N</i> -demethylcyclomicrobuxine- Isolation and Structural and Conformational Studies, Atta-ur-Rahman, M. Alam and M. I. Choudhary , <i>Phytochemistry</i> , 27 , 3342-3343 (1988).	Elsevier
25.	Alkaloids from <i>Alstonia macrophylla</i> , Atta-ur-Rahman, G. Ahmed, M. I. Choudhary , Habib-ur-Rehman and K.T.D. De Silva, <i>Phytochemistry</i> , 27 , 3653-3655 (1988).	Elsevier
26.	Chromodorolide <i>A</i> - a Rearranged Diterpene with a New Carbon Skeleton from the Indian Ocean Nudibranch <i>Chromodoris cavae</i> , E.J. Dumdei, E. D. de Silva, R. J. Andersen, M. I. Choudhary and J. Clardy, <i>J. Am. Chem. Soc.</i> , 111 , 2712-2713 (1989).	ACS Publications
27.	New Steroidal Alkaloids from the Leaves of <i>Buxus sempervirens</i> , Atta-ur-Rahman, D. Ahmed, M. I. Choudhary , B. Sener and S. Turkoz, <i>Fitoterapia</i> , LX(5) , 439-442 (1989).	Elsevier
28.	Triterpenoid Constituents of <i>Buxus papillosa</i> , Atta-ur-Rahman, H. Nasir, Z. Iqbal, M. I. Choudhary and M. Alam, <i>Phytochemistry</i> , 28 , 2848-2850 (1989).	Elsevier
29.	Zoanthaminone- a New Alkaloid from a Marine Zoanthid, Atta-ur-Rahman, K. A. Alvi, S. A. Abbas, M. I. Choudhary and J. Clardy, <i>Tetrahedron Lett.</i> , 30 , 6825-6828 (1989).	Elsevier
30.	A Steroidal Alkaloid from <i>Buxus papillosa</i> , Atta-ur-Rahman, Z. Iqbal, M. Alam, M. I. Choudhary , H. Nasir and T. Fatima, <i>Phytochemistry</i> , 29 , 683-685 (1990).	Elsevier
31.	Buxapapilinine- a Novel Alkaloid from the Leaves of <i>Buxus papillosa</i> , Atta-ur-Rahman, Z. Iqbal, M. I. Choudhary and T. Fatima, <i>Heterocycles</i> , 31 , 493-498 (1990).	Elsevier
32.	Steroidal Alkaloids from <i>Buxus papillosa</i> , Atta-ur-Rahman, Z. Iqbal, R. Zaidi and M. I. Choudhary , <i>J. Nat. Prod.</i> , 53 , 319-324 (1990).	ACS Publications
33.	Alstozine <i>N</i> -Oxide- a New Dihydroindole Alkaloid from <i>Alstonia macrophylla</i> , Atta-ur-Rahman, F. Nighat, G. Ahmed, M. I. Choudhary , Habib-ur-Rehman and K.T.D. de Silva, <i>Fitoterapia</i> , LXI(3) , 230-236 (1990).	Elsevier
34.	2- <i>O</i> - α - <i>D</i> -Galactopyranosyl Glycerol Hexaacetate from <i>Ruellia brittoniana</i> , V. U. Ahmed, M. I. Choudhary , M. F. Akhtar, M. Ahmed, G. H. Rizvani, K. U. Ghani and J. Clardy, <i>J. Nat. Prod.</i> , 53 , 960-963 (1990).	ACS Publications
35.	*Terpenoids from the Sponge <i>Aplysilla glacialis</i> and Specimens of the Nudibranch <i>Cadlina luteomarginta</i> found on the Sponge, M. Tischler, R. J. Andersen, M. I. Choudhary and J. Clardy, <i>J. Org. Chem.</i> , 56 , 42-47 (1991).	ACS Publications
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