

ATIA-TUL-WAHAB**MAILING ADDRESS**

Dr. Panjwani Center for Molecular Medicine and Drug Research,
International Center for Chemical and Biological Sciences,
University of Karachi, Karachi-75270, Pakistan
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EDUCATION

Post-doctoral Studies (Structural Biology) under the Supervision
of **Prof. Dr. Harald Schwalbe**, Johann Wolfgang Goethe
University, Frankfurt, Germany 2014,
and
2016

Post-doctoral Studies (Structural Biology) under the Supervision
of **Prof. Dr. Kurt Wüthrich (Nobel Laureate)** 2009-
2010
The Scripps Research Institute, La Jolla, CA 92037, USA

Ph. D. (Organic Chemistry) 2007
H. E. J. Research Institute of Chemistry
University of Karachi, Karachi-75270, Pakistan

M. Sc. (Organic Chemistry) 1999
University of Karachi, Karachi-75270, Pakistan

B. Sc. Hons. (Chemistry, Biochemistry, Microbiology) 1998
University of Karachi, Karachi-75270, Pakistan

Higher Secondary School Certificate (HSC) (Chemistry, Biology,
Physics), Khatoon-e-Pakistan Govt. Degree College, Karachi-
75270 1995

**AWARDS &
SCHOLARSHIPS**

Merit Scholarship for Ph. D. Studies awarded by Higher
Education Commission (HEC), Pakistan 2003-
2007

Pak-US Ph.D. Partial Support Program awarded by United
States Department of States (USDOS) and Higher Education
Commission (HEC), Pakistan 2005-
2006

EXPERIENCE

Associate Professor, Dr. Panjwani Center for Molecular Medicine
and Drug Research, International Center for Chemical and
Biological Sciences, University of Karachi, Karachi-75270,
Pakistan 2017-
todate

Assistant Professor

Dr. Panjwani Center for Molecular Medicine and Drug Research,
International Center for Chemical and Biological Sciences,
University of Karachi, Karachi-75270, Pakistan

2010-
2017

Post-doctoral Studies (Structural Biology) under the Supervision
of **Prof. Dr. Kurt Wüthrich (Nobel Laureate)**
The Scripps Research Institute, La Jolla, CA 92037, USA

2009-
2010

Research Officer

H.E.J. Research Institute of Chemistry
University of Karachi, Karachi-75270, Pakistan

2006-
2008

Ph. D. Research Student

H.E.J. Research Institute of Chemistry
University of Karachi, Karachi-75270, Pakistan

2000-
2007

Title of Thesis

“Phytochemical Investigation on the Chemical Constituents of *Iris germanica*, *Cocculus pendulus* and related medicinal plants”.

Graduate Student Research Studies at Department of Chemistry
University of California Irvine, Irvine, CA 92697, USA

Feb.
2006-
Dec.
2006

Title

“Creation of nanometer-scale molecular architecture based on
unnatural *iota*-amino acid, aminodiphenylmethanecarboxylic acid
(Adc)”

Graduate Research Studies at Department of Chemistry,
Facultés Universitaires Notre-Dame de la Paix (FUNDP), Belgium

2004-
2005

Title

“Learning Principles of Synthetic Organic Chemistry”

Research Studies during M. Sc. at Department of Chemistry,
University of Karachi, Karachi-75270, Pakistan

Jan.
1999-
Dec 1999

Title

“Phytochemical Studies on *Solanum melongena*”

PROTEIN DEPOSITED IN PROTEIN DATA BANK (PDB)

PDB ID

1	NMR structure of protein NP_888769.1, a phage- related protein in the <i>Bordetella bronchiseptica</i> genome	2L25
2	NMR structure of the <i>Klebsiella pneumoniae</i> protein YP_001336205	2L1S
3	NMR structure of heavy metal binding protein TM0320 from <i>Thermotoga maritime</i>	2KYZ
4	NMR based solution structure of PTS system, galactitol-specific IIB component from methicillin resistant <i>Staphylococcus aureus</i>	5GQS
5	Solution NMR Structure of DNA Mismatch Repair Protein MutT (Family Nudix Hydrolase) from Methicillin Resistant <i>Staphylococcus aureus</i> 252	5X1X

BOOK

Solving Problems with NMR Spectroscopy, Atta-ur-Rahman, M. Iqbal Choudhary, Atia-tul-Wahab, Academic Press, An imprint of Elsevier USA 2016

RESEARCH PUBLICATIONS

- 1 Biotransformation of a potent anabolic steroid, mibolerone, with *Cunninghamella blakesleeana*, *C. echinulata*, and *Macrophomina phaseolina*, and biological activity evaluation of its metabolites, Siddiqui, M., Ahmad, M.S., **Atia-tul-Wahab**, Yousuf, S., Narjis, F., Shaikh, N. N., Atta-ur-Rahman, Choudhary, M. I., *PlosOne*, 2017, 12(2), e71476.
- 2 Two new prenylated flavonoids from the roots of *Berberis thunbergii* DC. Hussain, N., Adhikari, A., Ahmad, M. S., **Atia-tul-Wahab**, Ali, M., Choudhary, M. I., *Natural Product Research*, 2017, 31(7), 785-790.
- 3 New anti-inflammatory metabolites by microbial transformation of medrysone, Bano S., **Atia-tul-Wahab**, Yousuf, S., Jabeen A., Mesaik M. A., Atta-ur-Rahman, Choudhary, M. I., *PlosOne*, 2016, 11(4) e0153951.
- 4 Biotransformation of 6-dehydroprogesterone with *Aspergillus niger* and *Gibberella fujikuroi*, Ahmad M., S., Zafar, S., Yousuf, S., **Atia-tul-Wahab**, Atta-ur-Rahman, Choudhary, M. I., *Steroids*, 2016, 112, 62-67.
- 5 Dihydropyrano [2,3-c] pyrazole: Novel *in vitro* inhibitors of yeast α -glucosidase, Kashtoh, H., Muhammad, M. T., Khan, J. J. A., Rasheed, S., Khan, A., Perveen, S., Javaid, K., **Atia-tul-Wahab**, Khan, K. M., Choudhary, M. I., *Bioorganic Chemistry*, 2016, 65, 61-72.
- 6 Benzamide sulfonamide derivatives: potent inhibitors of carbonic anhydrase-II, Saleem, M., Saeed, A., **Atia-tul-Wahab**, Khan, A., Abbasi, S., Khan, W., Khan, S. B., Choudhary, M. I., *Medicinal Chemistry Research*, 2016, 25(3), 438-448.
- 7 Flavonoids as natural inhibitors of Jack bean urease enzyme, Awwlia, J. A. J., AL-Ghamdi, M., Huwait, E., Javaid, S., **Atia-tul-Wahab**, Rasheed, S., Choudhary, M. I., *Letters in Drug Design & Discovery*, 2016, 13(3): 243 – 249.

- 8 Study of binding epitopes by STD-NMR spectroscopy and molecular docking of urease inhibitors from Lichens, Thadhani, V. M., Khan, A., **Atia-tul-Wahab**, Javaid, S., Shafqat, A., Zaheer-ul-Haq, Choudhary, M. I., *Letters in Drug Design & Discovery*, 2016, 13(4): 282 – 294.
- 9 Microbial transformation of danazol with *Cunninghamella blakesleeana* and anti-cancer activity of danazol and its transformed products, Baydoun, E., **Atia-tul-Wahab**, Mehmood, H., Ahmad, M. S., Malik, R. Smith, C., Choudhary, M. I., *Steroids*, 2016, 105, 121-127.
- 10 Reversal of multi-drug resistance in *Staphylococcus aureus* by natural product-way forward, Farooq, S., **Atia-tul-Wahab**, Azarpira, A. Atta-Ur-Rahman, Choudhary, M. I., *Letters in Drug Design and Discovery*, 2016, 13(7), 668-675.
- 11 Evaluation of 2-indolcarbohydrazones as potent alpha-glucosidase inhibitors, in silico studies and DFT based stereochemical predictions, Taha, M., Ismail, N. H., Javaid, K., Imran, S., Anouar, E. H., Wadood, A., **Atia-tul-Wahab**, Ali, M., Khan, K. M., Saad, S. M., Rahim, F., Choudhary, M. I., *Bioorganic & Medicinal Chemistry*, 2016, 63, 24–35.
- 12 Discovery of new inhibitors of urease enzyme: A study using STD-NMR spectroscopy, Awllia, J. A. J., Sara, A., **Atia-tul-Wahab**, AL-Ghamdi, M., Rasheed, S. Huwait, E., Choudhary, M. I., *Letter in Drug Design & Discovery*, 2015, 12(10), 819-827.
- 13 Synthesis of diethyl 4-substituted-2,6-dimethyl-1,4-dihydropyridine-3,5-dicarboxylates as a new series of inhibitors against yeast α -glucosidase, Niaz, H., Kashtoh, H., Khan, J. A. J., Khan, A., **Atia-tul-Wahab**, Alam, M. T., Khan, K. M., Perveen, S., Choudhary, M. I., *European Journal of Medicinal Chemistry*, 2015, 95, 199-209.
- 14 Microbial transformation of oxandrolone with *Macrophomina phaseolina* and *Cunninghamella blakesleeana*, Smith, C., **Atia-tul-Wahab**, Khan, M. S. A., Malik S. A., Farran, D., Choudhary, M. I., Baydoun, E. *Steroids*, 2015, 102, 39-45.
- 15 Synthesis of novel inhibitors of α -glucosidase based on the benzothiazole skeleton containing benzohydrazide moiety and their molecular docking studies, Taha, M., Ismail, N. H., Lalani, S., Fatmi, M. Q., **Atia-tul-Wahab**, Siddiqui, S., Khan K. M., Imran, S., Choudhary, M. I., *European Journal of Medicinal Chemistry*, 2015, 92, 387-400.
- 16 Fungal transformation and T-cell proliferation inhibitory activity of melengestrol acetate and its metabolite, Baydoun, E., Bano, S., **Atia-tul-Wahab**, Jabeen, A., Yousuf, S., Mesaik, A., Smith, C., Choudhary, M. I. *Steroids*, 2014, 86, 56-61
- 17 Microbial transformation of nandrolone with *Cunninghamella echinulata* and *Cunninghamella blakesleeana* and evaluation of leishmaniacidal activity of transformed products, Baydoun E., Karam M., **Atia-tul-Wahab**, Khan M.S., Ahmad M.S., Samreen, Smith C., Abdel-Massih R., Choudhary, M. I. *Steroids*, 2014, 88, 95-100.
- 18 Biotransformation of androgenic steroid mesterolone with *Cunninghamella blakesleeana* and *Macrophomina phaseolina*, Ahmad, M.S., Zafar, S., Bibi, M., Bano, S., **Atia-tul-Wahab**, Atta-ur-Rahman, Choudhary, M. I., *Steroids*, 2014, 82, 53-59.
- 19 Artonin I inhibits multidrug resistance in *Staphylococcus aureus* and potentiates the action of inactive antibiotics *in vitro*, Farooq, S., **Atia-tul-Wahab**, Fozing, C. D. A., Rahman, A. U., Choudhary, M. I., *Journal of Applied Microbiology*, 2014, 117, 996-1011.
- 20 Discovery and study of the binding epitopes of novel urease Inhibitors by STD-NMR spectroscopy and biochemical Analyses, **Atia-tul-Wahab**, Khan, A.; Marasini, B. P.; Lodhi, M. A.; Atta-ur-Rahman, Choudhary, M. I.; *Letters in Drug Design & Discovery* 2013, 10(6), 515-521.

- 21 Microbial transformation of anti-cancer steroid exemestane and cytotoxicity of its metabolites against cancer cell lines, Baydoun E.; Bibi M.; Muhammad A., I.; **Atia-tul-Wahab**; Farran D.; Smith C.; Sattar S. A.; Atta-ur-Rahman; Choudhary, M. I.; *Chemistry Central Journal* 2013, 7:57.
- 22 Anticancer and α -chymotripsin inhibiting diterpene and triterpenes from *Salvia leriifolia*, Choudhary, M. I.; Hussain, A.; Adhikari, A.; Marasini, B. P.; Sattar, S. A., **Atia-tul-Wahab**, Hussain, N.; Ayatollahi, S. A. M.; Atta-ur-Rahman, *Phytochemistry Letters*, 2013, 6(1), 139-143.
- 23 Synthesis of some potent immunomodulatory and anti-inflammatory metabolites by fungal transformation of anabolic steroid oxymetholone, Khan N. T.; Bibi M.; Yousuf S.; Qureshi I. J.; Atta-ur-Rahman; Al-Majid A. M.; Mesaik M. A.; Khalid A. S.; Sattar S. A.; **Atia-tul-Wahab**, Choudhary M. I.; *Chemistry Central Journal*, 2012, 6:153.
- 24 New antiglycation and enzyme inhibitors from *Parmotrema cooperi*, Choudhary, M. I.; Ali, M.; **Atia-tul-Wahab**; Khan, A.; Rasheed S.; Shyaula S. L.; Atta-ur-Rahman, *Science China Chemistry*, 2011, 54(12) 1926-1931.
- 25 NMR structure of the *Bordetella bronchiseptica* protein NP_888769.1 establishes a new phage-related protein family PF13554, **Atia-tul-Wahab**; Serrano, P.; Geralt, M.; Wüthrich, K. *Protein Science*, 2011, 20 (7), 1137-1144.
- 26 Discovery of leishmanicidal agents from medicinal plants, Atta-ur-Rahman; Samreen; **Atia-tul-Wahab**; Choudhary, M. I. *Pure & Applied Chemistry*, 2008, 80(8), 1783-1790.
- 27 A new class of macrocyclic receptors from *iota*-peptides, Kang, S. -W.; Gothard, C.; Maitra, S.; **Atia-tul-Wahab**; Nowick, J. S. *Journal of American Chemical Society*, 2007, 129, 1486-1487.
- 28 Bisbenzylisoquinoline alkaloid from *Cocculus pendulus*, Atta-ur-Rahman; **Atia-tul-Wahab**; Nawaz, S. A.; Choudhary, M. I. *Natural Product Research*, 2009, 23 (14), 1265-1273.
- 29 Crystal and molecular structure of talatisamine, Tashhodjaev, B.; Turgunov, K. K.; **Atia-tul-Wahab**; Choudhary, M. I.; Atta-ur-Rahman *Chemistry of Natural Compounds*, 2005, 41(5), 611-612.
- 30 Crystal and molecular structure of 12-epinapelline, Atta-ur-Rahman; **Atia-tul-Wahab**; Tashhodjaev, B.; Turgunov, K. K.; Sultankhodjaev, M. N.; Choudhary, M. I. *Chemistry of Natural Compounds*, 2005, 41(5), 609-610.
- 31 Norditerpenoid alkaloids from *Akonitum karakolicum*, Atta-ur-Rahman; **Atia-tul-Wahab**; Sultankhodzaev, M. N.; Teshebaeva, U. T.; Choudhary, M. I. *Natural Product Research*, 2005, 19(7), 713-718.
- 32 New cholinesterase inhibiting bisbenzylisoquinoline alkaloids from *Cocculus Pendulus*, Atta-ur-Rahman; **Atia-tul-Wahab**; Nawaz, S. A.; Choudhary, M. I. *Chemical & Pharmaceutical Bulletin*, 2004, 52(7), 802-806.
- 33 Spectral data of secokaraconitine, Sultankhodzaev, M. N.; **Atia-tul-Wahab**; Choudhary, M. I.; Atta-ur-Rahman *Chemistry of Natural Compounds*, 2003, 39(5), 512.

PATENTS GRANTED

- 1 Schiff bases of thiazoles: A new class of ureases inhibitors, Choudhary, M. I., Khan, K. M., Khan, A., Ambreen, N., Atia-tul-Wahab, Atta-ur-Rahman, Patent No. US 9,447,057B2, Date of Patent Sep. 20, 2016.

- 2 Thiourea derivatives, Choudhary, M. I., Farooq, S., Khan, K. M., Naz, F., Atia-tul-Wahab, Atta-ur-Rahman, Patent No. US 9,387,186 B2, Date of Patent Jul. 12, 2016.
- 3 Treatment and inhibition of protozoal diseases with nandrolone and its derivatives, Baydoun, E., Choudhary, M. I., Atia-tul-Wahab, Smith, C., Karam, M., Farran, D., Khan, M. S. A., Ahmad, M. S., Patent No. US 9,173,888 B1, Date of Patent Nov. 3, 2015.
- 4 Artonin I to treat resistant infectious Staphylococcus aureus, Choudhary, M. I., Farooq, S., Atia-tul-Wahab, Fozing, C. D. A., Atta-ur-Rahman, Patent No. US 8,889,733 B2, Date of Patent Nov. 18, 2014.

PATENTS APPLIED

- 1 4-[2-(Dipropylamino)ethyl]-1,3-dihydro-2H-indol-2-one (Ropinirole), a new inhibitor of Jack bean urease enzyme: An example of drug repurposing, Khan, J. A. J., Choudhary, M. I., AL-Ghamdi, M. A. A., Huwai, E. A. H., Atia-tul-Wahab, Iqbal, S., U. S. Patent Application No. 15/061,280, Filing Date 08/03/2016.
- 2 4-Hydroxybenzohydrazide- A new class of angiogenic enzyme thymidine phosphorylase inhibitors, Choudhary, M. I., Javaid, S., Khan, K. M., Saad, S. M., Atia-tul-Wahab, Atta-ur-Rahman, U. S. Patent Application No. 15/053, 887, Filing Date 25/02/2016.
- 3 Drug repositioning: Urease inhibitory activity of (2S)-1-[(2S)-2-methyl-3-sulfanylpropanoyl]pyrrolidine-2-carboxylic acid (captopril), Khan, J. A. J., Muhammad Iqbal Choudhary, AL-Ghamdi, M. A. A., Huwai, E. A. H., Atia-tul-Wahab, Iqbal, S., U. S. Patent Application No. 15/051,077, Filing Date 23/02/2016.
- 4 Potent inhibitors of human carbonic anhydrase II and bovine carbonic anhydrase II and their mechanism of action, Choudhary, M. I., Saleem, M., Bhatti, A. S., Atia-tul-Wahab, Khan, A., Atta-ur-Rahman, U.S. Patent Application No. 14/854,981; Filing Date 21/09/2015.
- 5 Anti-hyperurecemic agent 4-pyridine carboxylic acid hydrazide, Choudhary, M. I., Zafar, H., Khan, K. M., Atia-tul-Wahab, Hayat, M. Karim, A., US Patent Application No. 14/617,718, Filing date 09/02/2015.
- 6 Anti-glycation properties of oxindole derivatives, Choudhary, M. I., Rasheed, S., Ahmed, N., Khan, K. M., Khan, M., Atta-ur-Rahman, Atia-tul-Wahab, US Patent Application No. 13/954,648, Filing Date 07/30/2013.
- 7 Heterocyclic Schiff's bases as novel and new antiglycation agents, Ibrahim, S., Warad, I., Al-Nuri, M. A., Choudhary, M. I., Atia-tul-Wahab, Rasheed, S., US Patent Application No. 13/757,956, Filing date 02/04/2013.
- 8 Thiourea derivatives as alpha-chymotrypsin inhibitors, Atta-ur-Rahman, Choudhary, M. I., Marasini, B. P., Khan, K. M., Sheikh, F., Atia-tul-Wahab, US Patent Application No. 14/030,817, Filing date 09/18/2013.

PARTICIPATION IN CONFERENCES

- 1 Lecture at ANRAP 7th International Seminar , entitled "Towards Mechanism-based Inhibition of Post-prandial Hyperglycemia- *Discovery of Novel α -Glucosidase Inhibitors*", from March 22–24, 2013, at the Nepal Academy of Sciences, Kathmandu, Nepal.
- 2 Lecture at 4th International Symposium cum Training Course on Molecular Medicine and Drug Research, entitled "Molecular Identification and Recognition-Examples of Applications of STD-NMR", from January 7–10, 2013, at the ICCBS, Karachi.

- 3 Lecture at 3rd International Symposium cum Training Course on Molecular Medicine and Drug Research, entitled “NMR Structure of Protein YP_001336205, from *Klebsiella pneumoniae* Genome”, from January 3–6, 2012, at the ICCBS, Karachi.
- 4 Attend workshop “Modern Biotechnology in Muslim Countries – Specific Issues and Challenges” from 27-29 February, 2012, at COMSTECH Islamabad, Pakistan.
- 5 Lecture at International Conference on Chemical Sciences, entitled, “Understanding the α -Glucosidase Inhibition Properties of Natural Products at the Molecular Level”, from 20–22 June, 2012 at Colombo, Sri Lanka.
- 6 Lecture at 1st International Conference on Frontiers in Pharmaceutical Sciences: Global Perspectives, entitled, “Discovery of Novel Antiglycation Agent- An Approach Towards the Treatment of Late Diabetic Complications” from 28–30 September, 2012, at New College of Pharmacy Research and Education Building, ^[1] ^[2] The University of Rhode Island, ^[3] ^[4] Kingston, Rhode Island, USA.
- 7 Lecture at the 13th International Symposium for Natural Product Chemistry, entitled, “NMR for Molecular Identification and Recognition-Examples of STD NMR and 1D-TOCSY”, organized by H. E. J. Research Institute of Chemistry, from 22–25 September, 2012, at the ICCBS, Karachi.
- 8 Public awareness lecture entitled, “Gastrointestinal Ulcers: Most Common bur Most Misunderstood” on November 29, 2012 at ICCBS Public Awareness Program.
- 9 Attend Biochemistry Symposium “Exploring Biochemistry: Molecular Innovation and Beyond” organized by Department of Biochemistry, University of Karachi, 5th December, 2012 at ICCBS, Karachi
- 10 14th Asian Chemical Congress 2011 (14 ACC), Contemporary Chemistry for Sustainability and Economic Sufficiency, September 5-8, 2011 at Bangkok, Thailand.
- 11 3rd Biosafety and genetic engineering congress, June 13-15, 2011 at Tehran, Iran.
- 12 7th Joint Meeting of AFERP, ASP, GA, PSE & SIF Natural Products with Pharmaceutical, Nutraceutical, Cosmetic and Agrochemical Interest, August 3-8, 2008 at Athens, Greece.
- 13 11th International Symposium on Natural Product Chemistry, October 2008, at Karachi, Pakistan.
- 14 10th International Symposium on Natural Product Chemistry, in January 2006, Karachi, Pakistan.
- 15 9th International Symposium on Natural Product Chemistry, in January 2004, Karachi, Pakistan.
- 16 7th Eurasia Conference on Chemical Sciences, in March 2002 at Karachi, Pakistan.
- 17 12th National and 2nd International Symposium on Natural Product Chemistry, in February 2002, Jamshoro, Pakistan.
- 18 11th National & 1st International Symposium on Natural Product Chemistry, in April 2001, Peshawar, Pakistan.

RESEARCH PROJECTS WON

- | | | |
|---|--|---------------------------------------|
| 1 | Studies on the chemoprevention of mammary carcinogenesis by dietary agents | Higher Education Commission, Pakistan |
| 2 | Development of novel methods against <i>Aedes aegypti</i> vector, causative agent of dengue fever epidemic in Pakistan | Higher Education Commission, Pakistan |

3	Application of saturation transfer difference NMR in the discovery of potent urease inhibitors	Higher Education Commission, Pakistan
4	Biomedical studies and intellectual property right (IPR) documentation of medical plants used in the treatment of women diseases in Sindh	Govt. of Sindh, Pakistan
5	Survey, documentation and scientific studies on plant remedies used for the treatment of infectious skin diseases in Sindh	Govt. of Sindh, Pakistan
6	Studies on natural inhibitor of kidney stone formation and possible treatment of urolithiasis	Pakistan Academy of Sciences
7	Studies of structural and molecular mechanism of resistance reversal in <i>Staphylococcus aureus</i> by natural products	Pakistan Academy of Sciences
8	Studies on hepatoprotective effects of bioactive secondary metabolites of plants by using antioxidant and relevant bioassays	Pakistan Science Foundation
9	Study of natural products for the <i>in vivo</i> bacterial clearance in pneumonia	Higher Education Commission, Pakistan

SCHOLARS WHO COMPLETED Ph.D. STUDIES UNDER THE SUPERVISION OF DR. ATIA-TUL-WAHAB

S. #	NAME OF STUDENT	Year	THESIS TITLE
1.	Dr. Fauzia Yasir <i>Supervisor</i>	2016	Evaluation of the anti-kidney stone (Anti-urolithiasis) activity of natural products, and study of their mechanism of action

SCHOLARS WHO COMPLETED M. PHIL. STUDIES UNDER THE SUPERVISION OF DR. ATIA-TUL-WAHAB

S. #	NAME OF STUDENT	Year	THESIS TITLE
1.	Ms. Nimra Naveed Sheikh (<i>M. Phil.</i>) <i>Co-supervisor</i>	2017	Study of molecular structures and drugability potential of new inhibitors of β -glucuronidase enzyme
2.	Ms. Ayesha Sarah (<i>M. Phil.</i>) <i>Supervisor</i>	2014	Application of biochemical, saturation transfer difference and other NMR techniques for the discovery of high affinity urease inhibitors
3.	Ms. Salima Lalani (<i>M. Phil.</i>) <i>Supervisor</i>	2013	Studies on mechanism of action of α -glucosidase inhibitors

4.	Mr. Yasir Mahmood (<i>M. Phil.</i>) <i>Supervisor</i>	2011	Potential role traditional herbs in the prevention of atherosclerosis in a rodent animal model
5.	Mr. Meher Ali (<i>M. Phil.</i>) <i>Co-supervisor</i>	2010	Chemical and bioassay screening studies on lichens