

MUHAMMAD IMRAN TOUSIF, Ph.D.

Department of Chemistry, Dera Ghazi Khan Campus

University of Education Lahore, Pakistan

Phone # 0334-6852156, E-mail: mimrantousif@gmail.com, Imran.tousif@ue.edu.pk

PERSONNELS



Name	Muhammad Imran Tousif
Father's name	Muhammad Tousif
Date of Birth	28th. June 1986
N.I.C. No.	36304-9639726-1
Domicile	Bahawalpur, Pakistan
Marital Status	Married
Nationality	Pakistani

ACADEMICS

Degree/Certificate	Year of Award	Institution	Subject/Topic
<i>Ph.D.</i>	2015	<i>The Islamia University of Bahawalpur, Pakistan</i>	<i>Discovery of novel bioactive secondary metabolites from <i>Seriphidium Quettense</i>, <i>Vincetoxicum Stocksii</i> and an endophytic fungus <i>Cryptosporiopsis sp.</i></i>
<i>M.Phil.</i>	2010	<i>The Islamia University of Bahawalpur, Pakistan</i>	<i>Phytochemical screening of <i>Ipomoea Carnea</i> (convolvulaceae) collected from Murree hills</i>
<i>M. Sc.</i>	2008	<i>The Islamia University of Bahawalpur, Pakistan</i>	<i>Chemistry / Organic Chemistry Phytochemical Investigation on <i>Abutilon Indicum</i></i>
<i>B. Sc.</i>	2005	<i>The Islamia University of Bahawalpur, Pakistan</i>	<i>Chemistry, Botany, Zoology</i>
<i>Intermediate (F. Sc.)</i>	2003	<i>Govt. S. E College BWP, BISE Bahawalpur</i>	<i>Pre-medical</i>

RESEARCH/PROFESSIONAL EXPERIENCE

Oct-2015 to date Assistant professor: Department of Chemistry, University of Education, Pakistan.

2010-2015 Research Fellow: Department of Chemistry, The Islamia University of Bahawalpur, Pakistan.

Title: "Discovery of novel bioactive secondary metabolites from *Seriphidium Quettense*, *Vincetoxicum Stocksii* and an endophytic fungus *Cryptosporiopsis sp.*"

2008-2010 Research Scholar: Department of Chemistry, The Islamia University of Bahawalpur, Pakistan.

Title: "Phytochemical screening of *Ipomoea Carnea* (convolvulaceae) collected from Murree hills"

2005-2007 M.Sc. Thesis: Department of Chemistry, The Islamia University Bahawalpur, Pakistan.

Topic: *Phytochemical Investigation on Abutilon Indicum*".

SCHOLARSHIPS AWARDED AND DISTINCTIONS

1. Distinction Certificate in M. Sc. Examination, 2008.
2. 1st position in poster presentation and win the cash prize at 1st International Symposium on Drug Development–Natural & Synthetic 25-27 August 2013, Department of Pharmacy, COMSATS Institute of Information Technology, Abbottabad.
3. Ph.D. Indigenous Research Fellowship from Higher Education Commission of Pakistan (2010 to 2014).

ORAL PRESENTATIONS/LECTURES DELIVERED

1. Poster presentation on **Phytochemistry of *Seriphidium stenocephalum* and *Seriphidium oliverianum***, on 26th National and 14th International Chemistry Conference (05-08 Oct. 2015). The Islamia University of Bahawalpur.
2. Poster presentation on **ECDYSTEROIDS FROM THE FLOWERS OF *AERVA JAVANICA*** on 14th Asian Symposium on Medicinal Plants, Spices and Other Natural Products, to be held in Karachi, Pakistan, during December 9-12, 2013. HEJ Research Institute of Chemistry. University of Karachi. Pakistan.
3. A 20-25 minute oral presentation on "**CHARACTERIZATION AND BIOLOGICAL EVALUATION OF A NOVEL BIOACTIVE POLYKETIDE PRODUCED BY AN ENDOPHYTIC FUNGUS *CRYPTOSPORIOPSIS SP.***" in 12th International and 24th National Chemistry Conference, held jointly by Chemical Society of Pakistan and The Institute of Chemical Science, Bahauddin Zakariya University, Multan.

4. Poster presentation in 1st International Symposium on Drug Development– Natural & Synthetic 25-27 August 2013, Department of Pharmacy, COMSATS Institute of Information Technology, Abbottabad. (**This poster presentation was awarded as 1st position in conference.**)
5. A 15-minute talk on “**DISCOVERY OF NOVEL BIOACTIVE SECONDARY METABOLITES FROM *SERIPHIDIUM QUETTENSE*, *VINCETOXICUM STOCKSII* AND AN ENDOPHYTIC FUNGUS *CRYPTOSPORIOPSIS SP*” in board of advance studies in the Islamia University of Bahawalpur, Bahawalpur.**
6. Poster presentation on **Phytochemicals from *Ipomoea carnea* collected from Murree Hills** on 12th International Symposium on Natural Product Chemistry. Nov. 2010. HEJ Research Institute of Chemistry. University of Karachi. Pakistan.
7. Poster presentation on **Antiurease activity of cholistan desert plants** on 8th International & 20th National chemistry Conference. Feb. 2010. Quaid-i-Azam University. Islamabad. Pakistan.

RESEARCH INTERESTS

- Development of Anti-oxidative Neuroprotective Neutraecuticals agents and anti-HIV integrases from higher Medicinal plants
- Isolation and spectroscopic analysis of new antibiotics from microbial sources, and optimization of active new chemicals by biotransformation and culturing procedures.
- Isolation and biological evaluation of pharmaceuticals and agrochemicals from endophytic fungi.

PROJECTS/ RESEARCH GRANTS AWARDED

1. Bioassay guided isolation of anti-urease compounds from *Heliotropium strigosum* ”. Higher Education Commission has approved a Research Grant of PKR 493740/- against mentioned Project# 1543
2. Synthesis of β -carbonyl compounds as oxicam analogues, Higher Education Commission has approved a Research Grant of PKR 492110/- against mentioned 'Project'#1507
3. Bioassay studies on the secondary metabolites of plants species for the development of inhibitors of carbonics anhydrase–II enzymes, Higher Education Commission has approved a Research Grant of PKR 435000/- against mentioned Project# 1394

COMPUTER LITERACY

- Proficient in working with: *Microsoft Word, Microsoft PowerPoint, Chem. window, Chem. Draw, ISIS Draw, ACD lab., Excel and Internet Tools, Endnote and e-libraries.*
- *Proficient in working with Endnote citation manager.*
- *Proficient in working with Mnova all softwares.*

COLLABORATIONS

1. Prof. Dr. Muhammad Saleem and Prof. Dr. Abdul Jabbar, The Islamia University of Bahawalpur.
2. Prof. Dr. Saeed Ahmed, Department of Pharmacy, The Islamia University of Bahawalpur.

CONFERENCES ATTENDED

1. 12th International and 24th National Chemistry Conference, held Jointly by Chemical Society of Pakistan and The Institute of Chemical Science, Bahauddin Zakariya University, Multan.
2. 1st International Symposium on Drug Development– Natural & Synthetic 25-27 August 2013, Department of Pharmacy, COMSATS Institute of Information Technology, Abbottabad.
3. 13th International & 23th National chemistry Conference. Excellence center for physical chemistry, September 2012, University of Peshawar. Pakistan.
4. 13th International Symposium on Natural Product Chemistry. Nov. 2011. HEJ Research Institute of Chemistry. University of Karachi. Pakistan.
5. 22th National Chemistry Conference. Feb. 2011. Department of Chemistry, University of agriculture, Faisalabad. Pakistan
6. 21st National Chemistry Conference. Nov. 2011. Department of Chemistry, University of Karachi. Karachi, Pakistan.
7. 12th International Symposium on Natural Product Chemistry. Nov. 2010. HEJ Research Institute of Chemistry. University of Karachi. Pakistan.
8. 8th International & 20th National chemistry Conference. Feb. 2010. Quaid-iAzam University. Islamabad. Pakistan.

LIST OF PUBLICATIONS

Year 2019

Shabir Ahmad, Mamona Nazir, Muhammad Imran Tousif, Muhammad Saleem, Rizwana Mustafa and Tasneem Khatoon, Discovery Of Arabomycin: A New Polyketide Antibiotic From A Marine Streptomyces sp. PGC 32. Chemistry of Natural Compounds, 55, 1–4, 2019. Impact Factor: 0.450

Saima Khan, Mamona Nazir, Naheed Raiz, Muhammad Saleem, Gokhan Zengin, Gazala Fazal, Hammad Saleem, Mahreen Mukhtar, Muhammad Imran Tousif, Rasool Baksh Tareen, Hassan H. Abdallah, Fawzi M. Mahomoodally, Phytochemical profiling, in vitro biological properties and in silico studies on Caragana ambigua stocks (Fabaceae): A comprehensive approach, Industrial Crops & Products 131 (2019) 117–124. Impact Factor: 4.072

Saima Khan, Muhammad Imran Tousif, Naheed Riaz, Mamona Nazir, Mahreen Mukhtar, Liaquat Ali, Rasool Baksh Tareen and Muhammad Saleem, Rarely Occurring Natural Products Isolated from *Vincetoxicum stocksii* is accepted for publication in Journal of the Chemical Society of Pakistan. This article will appear in Volume 41, No. 05, October 2019 issue. Impact Factor = 0.280

Year 2018

Mahreen Mukhtar, Mamona Nazir, Naheed Riaz, Muhammad Imran Tousif, Saima Khan, Muhammad Ashraf, Muhammad Shaiq Ali, Ishtiaq Ahmad, Abdul Jabbar and Muhammad Saleem, Isolation and

Enzyme Inhibitory Studies of Steroids and Alkaloidal Steroid Saponins from *Solanum surratense* Burm.f.” *Journal of the Chemical Society of Pakistan*, 40, 2018. Impact factor: 0.280

<https://www.jcsp.org.pk/ViewByVolume.aspx?v=1224&i=VOLUME%2040,%20NO3,%20JUNE-2018>

Mamona Nazir, Muhammad Imran Tousif, Shabir Ahmad, Rizwana Mustafa, Tasneem Khatoon and Ishtiaq Ahmad, Benzyl and benzaldehyde-derived metabolites from desert *Actinomyces* Sp. CDS1. *Journal of the Chemical Society of Pakistan*. This article will appear in Volume 40, No. 6, December 2018 issue. Impact factor: 0.280

<https://www.jcsp.org.pk/ViewByVolume.aspx?v=2225&i=VOLUME%2040,%20NO5,%20OCT-2018>

Muhammad Saleem, Mamona Nazir, Hidayat Hussain, Muhammad Imran Tousif, Mahmoud, F. Elsebaie, Naheed Riaz, Natural Phenolics as Inhibitors of the Human Neutrophil Elastase (HNE) Release: An Overview of Natural Antiinflammatory Discoveries during Recent Years, *Anti-Inflammatory & Anti-Allergy Agents in Medicinal Chemistry*, 2018 , 17, 70-94.

<http://www.eurekaselect.com/165221/article>

Year 2017

Muhammad Imran Tousif, Tasneem Khatoon, Naheed Riaz, Muhammad Saleem, Abdul Jabbar and Rasool Bakhsh Tareen, Anti-urease secondary metabolites from *Seriphidium quettense* (2016). *Record of Natural product*. 11, 223-228, 2017. Impact Factor: 0.859

<http://www.acgpubs.org/RNP/2017/Volume11/Issue%201/28-RNP-1602-309.pdf>

Liaquat Ali, Muhammad Imran Tousif, Naheed Riaz, Mamona Nazir, Hidayat Hussain, Nusrat Shafiq, Abdul Jabbar, Rasool Bakhsh Tareen, Muhammad Saleem, Nitrophenyl dihydropyridinederivatives from *Seriphidium oliverianum*, *Phytochemistry Letters*, 21, 226-229. Impact Factor: 1.418

<https://www.sciencedirect.com/science/article/pii/S1874390017301830>

Year 2016

Muhammad Imran Tousif, Natasha Shazmeen, Naheed Riaz, Hidayat Hussain, Ahmed AlHarrasi, Asma Yaqoob, Abdul Jabbar, Faiz-ul-Hassan Nasim, Rasool Bakhsh Tareen and Muhammad Saleem, Bioactive Secondary Metabolites from *Vincetoxicum stocksii*, *Journal of Chemical Society of Pakistan*., 38, 294-300, 2016. Impact factor: 0.280

<https://www.jcsp.org.pk/ViewByVolume.aspx?v=1208&i=VOLUME%2038,%20NO2,%20APR-2016>

Muhammad Saleem, Jahangeer Abbas, Imtiaz Ahmed, Muhammad Imran Tousif, Muhammad Younas Khokhar, Analysis of heavy metals by atomic absorption spectrophotometry in commercially available multivitamins, *Journal of Contemporary Research in Chemistry* (2016) 1(1): 51-59.

<http://jcrc.aiou.edu.pk/wp-content/uploads/2016/05/44-26-1-PB.pdf>

Year 2015

Nusrat Shafiq, Liaquat Ali, Naheed Riaz, Tasneem Khatoon, Muhammad Imran Touseef, Abdul Jabbar, Rasool Bakhsh Tareen and Muhammad Saleem*, Further Secondary Metabolites from *Seriphidium stenocephalum*. *Journal of Chemical Society of Pakistan*, 37, 704-712 (2015). Impact factor: 0.280

<https://www.jcsp.org.pk/ViewByVolume.aspx?v=1204&i=VOLUME%2037,%20NO4,%20AUG-2015>

Year 2014

Muhammad Imran Tousif, Natasha Shazmeen, Naheed Riaz, Nusrat Shafiq, Tasneem Khatoon, Barbara Schulz, Muhammad Ashraf, Ayesha Shaukat, Hidayat Hussain, Abdul Jabbar & Muhammad Saleem, - Glucosidase and lipoxigenase inhibitory derivatives of cryptosporioptide from the endophytic fungus *Cryptosporiopsis* sp. *Journal of Asian Natural Products Research*, 16, 1068-1073 (2014). Impact factor: 1.071

<https://www.tandfonline.com/doi/abs/10.1080/10286020.2014.938647>

Nusrat Shafiq, Muhammad Saleem, Naheed Riaz, Muhammad Imran Tousif, Abdul Jabbar, Rasool Bakhsh Tareen And Gennaro Pescitelli., Absolute configuration of oplopanone derivatives from *Serphidium stenocephalum*. ECD spectra of acyclic ketones with front-octant contributions, *Chirality*, 26, 39-43 (2014). Impact factor: 1.956 <https://onlinelibrary.wiley.com/doi/abs/10.1002/chir.22263>

Nusrat Shafiq, Liaqat Ali, Naheed Riaz, Asma Yaqoob, Rasool Bakhsh Tareen, Muhammad Saleem, Faiz-Ul-Hassan Nasim, Abdul Jabbar and Muhammad Imran Tousif, Isolation, Characterization of Flavonoids from *Seriphidium oliverianum* and their Antioxidant and AntiUrease Activities, *Journal of Chemical Society of Pakistan*, 36, 517-523 (2014). Impact factor: 0.280 <https://www.jcsp.org.pk/VolumeIssues.aspx?IssueId=1197>

Year 2013

Nusrat Shafiq, Naheed Riaz, Shabir Ahmed, Muhammad Ashraf, Syeda Abida Ejaz, Muhammad Saleem, Muhammad Imran Touseef, Rasool Bakhsh Tareen and Abdul Jabbar, Bioactive phenolics from *Seriphidium stenocephalum*. *Journal of Asian Natural Product Research*, 15, 286- 293 (2013). Impact factor: 1.071 <https://www.tandfonline.com/doi/abs/10.1080/10286020.2013.763226>

Muhammad Saleem, Muhammad Imran Tousif, Naheed Riaz, Ishtiaq Ahmed, Barbara Schulz, Muhammad Ashraf, Rumana Nasar, Gennaro Pescitelli, Hidayat Hussain, Abdul Jabbar, Nusrat Shafiq and Karsten Krohn, Cryptosporioptide: A novel bioactive polyketide produced by an endophytic fungus *Cryptosporiopsis* sp. *Phytochemistry*, 93, 199-202 (2013). Impact factor: 3.205, <https://www.sciencedirect.com/science/article/abs/pii/S0031942213001143>

Year 2011

Muhammad Saleem, Muhammad Imran Touseef, Naheed Riaz, Abdul Jabbar, Maria Hafeez, Shabir Ahmed, Muhammad Farrukh Nisar, Saeed Ahmad And Irshad Ahmad, Phytochemicals from *Ipomoea carnea* collected from Murree Hills, *Journal of Chemical Society Pakistan*, 33, 747- 750 (2011). Impact factor: 0.280 https://inis.iaea.org/search/search.aspx?orig_q=RN:43027998

REFERNCES

1. M. Sc. Advisor

Prof. Dr. Abdul Jabbar

Department of Chemistry, The Islamia University of Bahawalpur
Bahawalpur, Pakistan

E: mail: abdul_jabbar06chem@yahoo.com;

Contact: 0092-0300 9684586

2. M.Phil. and Ph.D. Advisor

Prof. Dr. Muhammad Saleem

Department of Chemistry, The Islamia University of Bahawalpur
Bahawalpur, Pakistan

Email: drsaleem_kr@yahoo.com;

Contact: 0092-0343 7007885

3. Prof. Dr. Saeed Ahmed

Department of Pharmacy, The Islamia University of Bahawalpur,
Bahawalpur, Pakistan

Email: rsahmed_iub@yahoo.com;

Contact: 0092-03006801267