

Dr. Muhammad Shahzad Aslam

Ph.D.

M.phil (Pharmaceutical Chemistry), Pharm-D, R.Ph

Ph.D. Area of specialization in Pharmaceutical Chemistry



Universiti Malaysia Perlis

M.Phil (Pharmaceutical Chemistry), Doctor of Pharmacy, R.Ph (Pakistan)

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Scopus Id: 57205175823

Impact factor: 7.17

Top 10 Reviewer (Malaysia) (Reference: Publon)

Top 200 Reviewer (Around the World) (Reference: Publon)

Total number of Publication: 60 ; Book Chapter:2, Conference Abstract/paper=6, Poster Presentation=1

WOS (ISI publications= 8), Scopus indexed publications=13, International Peer-reviewed Publications=60

h-index: 6

Citations: 122

i10-index: 4

PERSONAL STATEMENT:

I had completed my graduation as Doctor of Pharmacy from Baqai Medical University, Karachi, Pakistan in 2010. After completing my graduation, I did work in different pharmaceutical companies as Quality control analyst. I started my further studies in the field of Pharmaceutical chemistry, where I completed my M.Phil in december 2012. In 2013 I started my academic job as a lecturer in Lahore pharmacy college, Punjab, Pakistan where I taught pharmaceutical chemistry, instrumentation, and organic chemistry. I had persued my Ph.D. in bioprocess engineering from Universiti Malaysia Perlis (UniMAP) from 2014 to 2017 and had worked on the metabolomics analysis, fragmentation analysis of bioactive compounds, polyherbal formulation and their interactions in wound healing. I had awarded scholarship by the Ministry of higher education (MOHE), Malaysia under the Malaysian International Scholarship (MIS) to pursue my Ph.D.

My area of expertise are phytochemistry, pharmacognosy, green extraction technique, wound healing studies, animal modeling, novel plant extraction methods, and green solvents. I have 60 published articles with (8) were published in ISI impact factor, (16) were published in Scopus indexed journal whereas rest of the papers were published in international peer-review referred journal. Currently, I

am working on new extraction techniques, green extraction methods and identifying new material in the healing wound.

PERSONAL DETAILS:

<i>Father's Name</i>	Muhammad Aslam
<i>Date of Birth</i>	December 21 st 1985
<i>Country</i>	Pakistan
<i>Passport number</i>	HR1805752
<i>Marital Status</i>	Married
<i>Email ID</i>	aslammuhammadshahzad@gmail.com
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<i>Address</i>	A-638 Gulshan-e-Hadeed, Phase-2, Bin Qasim, Karachi, Pakistan
<i>Language</i>	English, Urdu, Punjabi

EDUCATION:

<i>Institution:</i>	■ Universiti Malaysia Perlis
<i>Date:</i>	■ 2017
<i>Degree(s) or Diploma(s):</i>	■ PhD

<i>Institution:</i>	■ Bahauddin Zakariya University, Multan.
<i>Date:</i>	■ Dec 2012
<i>Degree(s) or Diploma(s):</i>	■ M.Phil. (Pharmaceutical Chemistry)

<i>Institution:</i>	■ Baqai Medical University, Karachi.
<i>Date:</i>	■ 2010
<i>Degree(s) or Diploma(s):</i>	■ Pharm-D

<i>Institution:</i>	■ Government Islamia College Civil Lines, Lahore.
<i>Date:</i>	■ 2004
<i>Degree(s) or Diploma(s):</i>	■ F.Sc (Pre-Medical)

<i>Institution:</i>	■ Divisional Public School, Model Town, Lahore.
<i>Date:</i>	■ 2002
<i>Degree(s) or Diploma(s):</i>	■ Matriculation

PROFESSIONAL EXPERIENCE:

<i>Institution</i>	Xiamen University Malaysia
<i>Date</i>	21 November 2018 till now
<i>Position</i>	Lecturer
	Team
	Member of Research Team Laboratory audit and Asset Management
	Individual
	<ul style="list-style-type: none"> • Lecture discussion • Research • Laboratory Management

<i>Institution</i>	Ziauddin University
<i>Date</i>	October 2018 till 16 November 2018
<i>Position</i>	Assistant Professor
	Team
	Member of Research Cell, Department of Pharmaceutical Chemistry
	Individual
	<ul style="list-style-type: none"> • Lecture discussion • Research • Case base small group discussion • Tutorials/ Panel discussion • Self-awareness Exercise/Test • Poster/Model Presentations • Role play • Seminar/Symposium • Workshops

<i>Institution</i>	Pakistan International Human Rights Organization
<i>Date</i>	July 2018
<i>Position</i>	Volunteer Member
	Team
	Research Cell

	Individual
	<ul style="list-style-type: none"> • Tutorials/ Panel discussion • Seminar/Symposium • Workshops • Online-teaching

<i>Institution</i>	Rashid Latif College of Pharmacy
<i>Date</i>	November 2017 till June 2018
<i>Position</i>	Assistant Professor
<i>Activities Performed</i>	Head
	<ul style="list-style-type: none"> • Head of Department (Pharmaceutical Chemistry) • Head of Research Cell

	Team
	Research Cell
	Student Affair Cell

	Individual
	<ul style="list-style-type: none"> • Lecture discussion • Case base small group discussion • Tutorials/ Panel discussion • Self-awareness Exercise/Test • Poster/Model Presentations • Role play • Seminar/Symposium • Workshops • Online-teaching

<i>Institution</i>	Lahore Pharmacy College
<i>Date</i>	February 2013- May 2014
<i>Position</i>	Lecturer
<i>Activities Performed</i>	Head
	<input type="checkbox"/> Subject Incharge Instrumentation and Organic Chemistry

	Team
	Admission Cell
	Student affair Cell

Individual	
	<ul style="list-style-type: none"> • Lecture discussion • Case base small group discussion • Tutorials/ Panel discussion • Self-awareness Exercise/Test • Poster/Model Presentations • Role play • Seminar/Symposium • Online-teaching

Company	Himont Pharmaceuticals (pvt) ltd.
Date	September 2012 – January 2013
Position	Senior Quality control Analyst
Activities Performed	Head <ul style="list-style-type: none"> <input type="checkbox"/> To maintain GMP standards and in-process control in sterile and non-sterile manufacturing unit. <input type="checkbox"/> To ensure that each process being followed as per BMR and control parameter. <input type="checkbox"/> To assist manager QA/QC in light of GLP.
	Team <ul style="list-style-type: none"> <input type="checkbox"/> To monitor and control the various In-process parameter involve in sterile and non-sterile manufacturing according to GMP <input type="checkbox"/> Provide line clearance prior to manufacturing. <input type="checkbox"/> To collect the finished product sample in general and micro testing. <input type="checkbox"/> To check and ensure the calibration of the various instrument in the sterile and non-sterile area. <input type="checkbox"/> Maintain the instrument room.

Individual	
	<ul style="list-style-type: none"> • To perform the Raw material analysis according to laid down procedure and work done in time. • To perform the Re-testing of Raw material. • To keep updated proper and systematic maintenance of material analysis record and update the immediate in charge. • To ensure affixing of the status label. • To update the reference sample record of all the tested raw material. • To prepare analytical test sheets for all the Raw material and Routine daily task. • Preparation of Reagents being used in the main chemical hall.

Company	Global Veterinary & Technical Services (Pvt) Ltd.
Date	April 2012- September 2012
Position	Technical Manager
Activities Performed	Head <ul style="list-style-type: none"> □ To provide all technical facilities to an organization. □ Assist all managerial work.
	Team
	<ul style="list-style-type: none"> • Quality Assurance • Enforcing the Standard Operating procedure
	Individual
	<ul style="list-style-type: none"> • Implementation of Standard Operating Procedure • Process design and Standardization

Company	Pharmacare (Pvt) Ltd.
Date	June 2010 – Jan 2011
Position	Quality Control Analyst
Activities Performed	Head <ul style="list-style-type: none"> • Reorganizing of company's one of the most important In Process Quality Control of Tablet, Syrup, Dry suspension including all management and documentation. • Perform all Physical and Chemical test of Tablet, Syrup, and Dry suspension.
	Team
	<ul style="list-style-type: none"> • Quality Assurance • Enforcing the CGMP and Standard Operating procedure □ Finished product Report
	Individual
	<ul style="list-style-type: none"> • Design and Implementation of Standard Operating Procedure • Process design and Standardization • Method Validation • Maintaining and updating SOPs

Company	Jassh Pharmaceuticals (Pvt) Ltd.
Date	Feb 2010– April 2010
Position	Production Supervisor
Activities Performed	<ul style="list-style-type: none"> • Co-ordinates in planning and organizing the manufacturing process of the company. • Maintaining SOP and implementation • Dispensing of Raw Material • Implements Operational manuals, production plans, and programs. • Checks the availability of adequate raw and packing materials, utilities, filters • Monitors drugs manufacturing activities in compliance with the requirements of cGMP.

Company	Servier Pharmaceutical (Pvt) Ltd.
Date	July 2009 – August 2009
Position	Intern
Activities Performed	<ul style="list-style-type: none"> □ To learn all the major responsibilities of Industrial Pharmacist. • How activities are performed by Pharmacist. • Major: Production, Quality Control, warehouses

LIST OF RESEARCH PAPER (Published)

Web of Science (Formerly known as ISI indexed) now Clarivate Analytic

1. **Muhammad Shahzad Aslam***, B A Choudhary, A Subhan Ijaz, M Uzair. The genus *Araucaria*: A phytochemical and ethnopharmacological review, *Tropical Journal of Pharmaceutical research*. August 2013; 12(4). **Impact factor 0.80**
2. **Muhammad Shahzad Aslam**, Muhammad Syarhabil Ahmad, Awang Soh Mamat, Muhammad Zamharir Ahmad, and Faridah Salam, Antioxidant and Wound healing activity of Polyherbal fractions of *Clinacanthus nutans* and *Elephantopus scaber*, *Evidence-Based Complementary and Alternative Medicine*, **2016. Impact factor 2.1**
3. **Muhammad Shahzad Aslam**, MS Ahmad, AS Mamat, Ahmad MZ and Salam F. Reverse phase-high performance liquid chromatography method for estimation of bioactive

compounds from different fractions of new polyherbal formulation of *Clinacanthus nutans* and *Elephantopus scaber*, International Journal of Pharmaceutical Sciences and Research 2016; 7(12): 4778-86.doi: 10.13040/IJPSR.0975-8232.7(12).4778-86. **Web of science indexed**

4. Bibi, Maryam, Khurm, Muhammad, Aslam, Muhammad Shahzad, Ahmad, Muhammad Ayaz, Qaiser, Muhammad Naeem, Nawaz, Sajid, Chaudhry, Bashir Ahmad, Uzair, Muhammad, Janbaz, Khalid Hussain, Afzal, Samina, Ghori, Muhammad Umer,"Preliminary Phytochemical and Biological activities on Russelia juncea Zucc," Proceedings DIALOGO (DIALOGO-CONF 2017), DOI: 10.18638/dialogo.2017.4.1.15, ISBN: 9978-80-554-1408-9, ISSN: 2393-1744, vol. 4,issue 1,pp. 159 - 174, 2017. **Web of science indexed**
5. Osman, Wan Rozaini Sheik, Karim, Anisah, Aslam, Muhammad Shahzad, Ahmad, Mohammad Ayaz,"A success model and implementation on examining teacher's attitude in using frog virtual learning environment," Proceedings DIALOGO (DIALOGO-CONF 2017), DOI: 10.18638/dialogo.2017.4.1.11, ISBN: 9978-80-554-1408-9, ISSN: 2393-1744, vol. 4,issue 1,pp. 116 - 129, 2017. **Web of science indexed**
6. Osman, Wan Rozaini Sheik, Mohamed, Hasanaein, Aslam, Muhammad Shahzad, Ahmad, Mohammad Ayaz, Nisar, Saima,"Comparative study to explore factors affecting E-government ranking: the case of Malaysia, Nigeria and Republic of Korea," Proceedings DIALOGO (DIALOGO-CONF 2017), DOI: 10.18638/dialogo.2017.4.1.12, ISBN: 9978-80-554-1408-9, ISSN: 2393-1744, vol. 4,issue 1,pp. 130 - 138, 2017. **Web of science indexed**
7. Humayun Riaz, Syed Atif Raza, Muhammad Shahzad Aslam, Muhammad Syarhabil Ahmad, Muhammad Ayaz Ahmad, Povydish Maria. An updated review of Pharmacological, Standardization Method and Formulation Development of Rutin, Journal of Pure and Applied Microbiology, 12(1), 2018 **Impact factor 0.20**.
8. M A Sadiq, E Zohra, M A Jamil, M Wasim, H Riaz, S A Raza, S Hussain, O Javed, M A Ahmad. Estimation of Caffeine Concentration in decaffeinated coffee and tea available in Pakistan, Journal of Pure and Applied Microbiology, 12(1), 2018. **Impact factor 0.20**

Publications on Scopus indexed Journals

9. **Muhammad Shahzad Aslam***, Bashir A Choudhary, M Uzair, A Subhan Ijaz, The genus *Ranunculus*: A phytochemical and ethnopharmacological review, International journal of pharmacy and pharmaceutical science, volume 4, Suppl 5, pp.15-22. **Impact factor =0.51**

10. Asif Javaid Awan, Chaudhry Bashir Ahmed, Muhammad Uzair, **Muhammad Shahzad Aslam**, Umer Farooq, Khuram Ishfaq, Family Acanthaceae and genus *Aphelandra*: Ethnopharmacological and phytochemical review, International Journal of Pharmacy and Pharmaceutical Science, Published in Volume 6, Issue 10, November 2014.pp.44-55. **Impact factor =0.51**

11. **Muhammad Shahzad Aslam**, Muhammad Syarhabil Ahmad, Awang Soh Mamat, Review on phytochemical constituents and pharmacological activities of *Clinacanthus nutans*” International Journal of Pharmacy and Pharmaceutical Science. 7(2), 30-33, 2015. **Impact factor =0.51**

12. **Muhammad Shahzad Aslam**, Muhammad Syarhabil Ahmad, Awang Soh Mamat, Muhammad Zamharir Ahmad. Fast development of RP-HPLC method for estimation of Rutin from aqueous fraction of new polyherbal formulation containing *Clinacanthus nutans* and *Elephantopus scaber*. International Journal of Research in Ayurveda and Pharmacy 7 (5), 78-81. . **Impact factor=0.23**

- 13.**Muhammad Shahzad Aslam***, Muhammad Syarhabil Ahmad, Awang Soh Mamat, Muhammad Zamharir Ahmad, and Faridah Salam. "An Update Review on Polyherbal Formulation: A Global Perspective." Systematic Reviews in Pharmacy; 7 (2016): 35-41. **Impact factor=0.13**

- 14.**Muhammad Shahzad Aslam**, Muhammad Syarhabil Ahmad, Awang Soh Mamat, A phytochemical, ethnomedicinal and pharmacological review of genus *Dipterocarpus*, International Journal of Pharmacy and Pharmaceutical Science. Vol 7, Issue 4, 2015, 27-38. **Impact factor =0.51**

- 15.N Asma, MA Soh, I Hatim, **Muhammad Shahzad Aslam**, MS Ahmad. Phytochemical and pharmacognostic study of *Catharanthus roseus* using deep eutectic solvents. Int. J. Res. Ayurveda Pharm 7 ((Suppl 3)), 141-146, 2016. **Impact factor=0.23**

- 16.**Muhammad Shahzad Aslam**, MS Ahmad, AS Mamat. Phytochemical Evaluation of Polyherbal Formulation of *Clinacanthus nutans* and *Elephantopus scaber* to Identify Flavonoids. Pharmacognosy Journal 8 (6), 534-541. **Impact factor=0.28**

- 17.**Aslam, Muhammad Shahzad**, Bashir A. Choudhary, Abdul Subhan Ijaz, Muhammad Uzair, Muhammad Syarhabil Ahmad, And Awang Soh Mamat. "Biological Screening Of *Araucaria*

Columnaris." Vol 7, Issue 4, 2015, International Journal of Pharmacy and Pharmaceutical Science; **Impact factor =0.51**

18. Mun H, **Muhammad Shahzad Aslam**, MS Ahmad, AS Mamat Total phenolics content and anti-oxidant potential of *Ficus deltoidea* using green and non-green solvents. Journal of Pharmaceutical Negative Results, 2017;8:15-9, 10.4103/0976-9234.204913. **Impact factor =0.15**
19. Osama Javed, Khalid Hussain, **Muhammad Shahzad Aslam.**, Compatibility and stability of ceftriaxone sodium with peritoneal dialysis solution, Current trend in Biotechnology and Pharmacy, 12(4), 311-317, 2018. **Impact factor =0.13**
20. **Aslam MS.** Application of genus *Cassia* in the treatment of Constipation: A systematic review [version 1; peer review: awaiting peer review]. F1000Research 2019, 8:256 (<https://doi.org/10.12688/f1000research.17893.1>) **Impact factor =0.93**

Publications on International Peer review Journals

21. **Muhammad Shahzad Aslam***, B A Choudhary, A Subhan Ijaz, M Uzair, Phytochemical study of aerial parts of *Ranunculus muricatus* for the Pharmacological active compounds. J App Pharm, Vol 5(4) Oct 2013.
22. **Muhammad Shahzad Aslam** and Fareed majeed, Ingestible Electronically Controlled Drug-Capsule in the Gut, Journal of Drug Delivery and Therapeutics, Volume 2, Issue 3, May 2012.
23. **Muhammad Shahzad Aslam**, The Impact of Pharmacybernetic in reducing Medication Error, International Journal of Information Technology, Control and Automation (IJITCA) Vol.2, No.2, April 2012.
24. **Muhammad Shahzad Aslam**, Choudhary, B. A., Uzair, M., Ijaz, A. S., & Roy, S. D. A review on phytochemical constituents and pharmacological activities of *Euphorbia helioscopia*, Indian Research journal of Pharmacy and Science, 1(1), 2014
25. **Muhammad shahzad Aslam**, Bashir Ahmad Choudhary, Abdul Subhan Ijaz, Muhammad Uzair, Asif Javaid Awan, Tariq Riaz Khan, A Subhan Ijaz. Survey of ethnomedicinal weeds of District T.T. Singh, Punjab, Pakistan, Indian research journal of Pharmacy and Science. 1(2), 2014
26. Sana Kunwal, A Subhan Ijaz, **Muhammad Shahzad Aslam***, Bashir A.Choudhary, Evaluation of rational drug prescribing in renal impaired patients in Multan, Pakistan, Indian research journal of Pharmacy and Science. 1(2), 2014

27. **Muhammad Shahzad Aslam***, Z Batool, S Asghar, M Ashraf, Treatment of breast cancer: A brief review, Indian research journal of Pharmacy and Science. 1(2), 2014
28. **Muhammad shahzad Aslam**, Shahzad Asghar, Muhammad Ashraf, M Omer, H. Rehman, A review on angiogenesis and their consequence on Vitis Vinifera (grapes), Indian research journal of Pharmacy and Science. 1(2), 2014
29. **Muhammad shahzad Aslam**, Saumendu Deb Roy, Muhammad Abuzar Ghaffari, Bashir A. Choudhary, M Uzair, Abdul Subhan Ijaz, Tariq Riaz Khan, A Subhan Ijaz. Survey of ethnomedicinal weeds of District Rajhanpur, Punjab, Pakistan, Indian research journal of Pharmacy and Science. 1(2), 2014
30. **Muhammad shahzad Aslam**, R Raheel, S Asghar, M Ashraf, Phytochemical, ethnopharmacological review of *Acacia nilotica* (desi kikar) and taxo-pharmacology of genus acacia, Indian research journal of Pharmacy and Science. 1(2), 2014
31. Asif Javaid Awan, **Muhammad Shahzad Aslam**, Bashir Ahmad Chaudhary, Muhammad Uzair, In-Vitro Biological evaluation of crude extract of aerial parts of *Aphelandra squarrosa*, Indian Research Journal of Pharmacy and Science 12/2014; 1(3).
32. **Muhammad Shahzad Aslam**, Bashir Ahmad Choudhary, A Subhan Ijaz, Asif Javaid Awan, Ibrahim javed, Mass Spectrometric Fragmentation and Pharmacological activities of 1,2,4 triazole derivatives, Indian Research Journal of Pharmacy and Science 12/2014; 1(3).
33. **Muhammad Shahzad Aslam**, Bashir Ahmad Choudhary, Abdul Subhan Ijaz, M Uzair, Pharmacological selection of *Ranunculus muricatus* as medicinal weed from district Lahore, Pakistan, Indian Research Journal of Pharmacy and Science 12/2014; 1(3).
34. Muhammad Wajid, **Muhammad Shahzad Aslam**, Muhammad Uzair, Fagopyrum: phytochemical and ethnopharmacological review, Indian research journal of Pharmacy and Science 2015:March.: 2(1).
35. Rabah S. Shareef, Awang Soh Mamat, Mustafa R. Al-Shaheen, **Muhammad Shahzad Aslam**, Study Of Heavy Metals In Mango(*Mangifera Indica* L) In Perlis, Malaysia, Ind Res J Pharm & Sci. 2015:Dec.: 2(4),299-303.
36. Mustafa. R. Al-Shaheen, Awang Soh, Rabah S. Shareef, **Muhammad Shahzad Aslam**. The effect of two levels of irrigation according to the stages of growth in yellow maize crop (*zea mays* l.)Ind Res J Pharm & Sci. 2015:Dec.: 2(4), 287-298.
37. **Muhammad Shahzad Aslam***, Muhammad Syarhabil Ahmad, Awang Soh Mamat, Anti-microbial potential of *Elephantopus scaber*: an update review. Indian research journal of Pharmacy and Science 2015:Dec.: 2(4) 315-322.

38. Mazhar hussain, Muhammad wajid, **Muhammad Shahzad Aslam***, Muhammad Syarhabil Ahmad, Awang Soh Mamat, Ethnomedicinal survey of plants of Thal Desert Choubara District Layyah, Punjab, Pakistan. Indian research journal of Pharmacy and Science 2015 Sep.: 2(3) 235-250.
39. Muhammad Wajid*, **Muhammad Shahzad Aslam***, Muhammad Syarhabil Ahmad, Awang Soh Mamat, A Review on Antidiabetic potential of genus Bauhinia, Indian research journal of Pharmacy and Science 2015 Sep.: 2(3) 268-273
40. **Muhammad Shahzad Aslam***, Muhammad Syarhabil Ahmad, Awang Soh Mamat, Pharmacological potential of Vitexin, Indian research journal of Pharmacy and Science 2015 Sep: 2(2) 112-122.
41. **Muhammad Shahzad Aslam**, Muhammad Syarhabil Ahmad. Analgesic and antiinflammatory activity of genus Aconitum: A phytochemical and ethnopharmacological review. Recent Adv Biol Med. 2016; 2:94-112.
42. **Muhammad Shahzad Aslam**, Muhammad Syarhabil Ahmad, Worldwide importance of medicinal plants: Current and historical perspectives. Recent Adv Biol Med. 2016; 2:88-93.
43. L. J. Ong, Awang Soh Mamat, **Muhammad Shahzad Aslam**, Muhammad Syarhabil Ahmad, Optimization of Ficus deltoidea using Ultrasound-assisted Extraction by Box-Behnken Statistical Design. Recent Advances in Biology and Medicine 2, 71-78, 2016.
44. R Rehman, **Muhammad Shahzad Aslam**, BA Choudhary, M Uzair, AS Ijaz, MS Ahmad, Biological Screening of Eichornia crassipes against Different Pathogenic Microbes: An In Vitro Study. Recent Advances in Biology and Medicine 2, 79-82, 2016.
45. N Atiqah, AS Mamat, **Muhammad Shahzad Aslam**, MS Ahmad. Effect of drying methods on the antioxidant properties of *Pandanus amaryllifolius*. Indian reserach Journal of Pharmacy and Science 3 (2), 706-715, 2016.
46. MAB Edris, AS Mamat, **Muhammad Shahzad Aslam**, MS Ahmad. Insect Repellent Properties of *Melaleuca alternifolia*. Recent Advances in Biology and Medicine 2, 57-61, 2016.
47. **Muhammad Shahzad Aslam**, MS Ahmad, AS Mamat, MZ Ahmad, F Salam. Goniothalamus: Phytochemical and Ethnobotanical Review. Recent advances in Biology and Medicine 2, 34-47, 2016.
48. A Nisar, AS Mamat, MI Hatim, **Muhammad Shahzad Aslam**, MS Ahmad. An updated review on *Catharanthus roseus*: phytochemical and pharmacological analysis. Indian reserach Journal of Pharmacy and Science 3 (2), 631-653, 2016.

49. **Muhammad Shahzad Aslam**, MS Ahmad, *Alhagi Maurorum* and *Tamarix Aphylla* -Two Medicinal Weeds Mentioned in Holy Quran and Ahadith and Their Ethnomedicinal Uses in District Rajhanpur of Pakistan, Universal journal of pharmaceutical research 1(1), 27-31,2016.
50. **Muhammad Shahzad Aslam**, Rubina Rehman, Bashir A. Choudhary, Abdul Subhan Ijaz ,Muhammad Uzair, and Muhammad Syarhabil Ahmad, Antifungal, cytotoxic and phytotoxicity of aerial part of *Ranunculus muricatus*, Universal journal of pharmaceutical research 1(1), 07-12, 2016.
51. Asma Nisar, Awang Soh Mamat, Md Irfan Hatim, **Muhammad Shahzad Aslam**, Muhammad Syarhabil Ahmad, Antioxidant and total phenolic content of *Catharanthus roseus* using deep eutectic solvent, Recent advances in Biology and Medicine, 3, 7-10, 2017.
52. Nisar A, Mamat AS, Hatim MI, **Aslam Muhammad Shahzad**, Ahmad MS. Identification of flavonoids (quercetin, gallic acid and rutin) from Catharanthus roseus plant parts using deep eutectic solvent. Recent Adv Biol Med. 2017; 3:1-6.
53. **Muhammad Shahzad Aslam**, Muhammad Syarhabil Ahmad, Maria Atanassova, Muhammad Ayaz Ahmad, Mechnolochemical assisted extraction method- A brief review. Advances in Environmental Biology, 11(2), 84-90, 2017.
54. **Muhammad Shahzad Aslam**, Muhammad Syarhabil Ahmad, Latest trend on Standardization of Herbal Medicines: A brief review, Scifed Food & Dairy Technology Journal, 1(1), 2017.
55. Muhammad Wajid, Sumaira Jabeen, **Muhammad Shahzad Aslam**, Muhammad Syarhabil Ahmad, An Update Review on Ethnomedicinal, Phytochemical and Pharmacological Profile of genus Boerhavia. International Journal of Complementary and Alternative Medicine, 6(3): 00189. DOI: 10.15406/ijcam.2017.06.00189.
56. Wan Rozaini Sheik Osman, Alia Ahmed Mahdi Almusawi, **Muhammad Shahzad Aslam**, Saima Nisar, Factors that influence the adoption of EHR by health Professions: The Case of Dhi-Qar Hospital, Australian Journal of Basic and Applied Sciences, 11(5) April 2017, Pages: 169-175.
57. **Muhammad Shahzad Aslam**, Muhammad Syarhabil Ahmad, Ethno botanical Uses of Globba Species: A brief Review, BAOJ Pharmaceutical Sciences, 3(2), 2017.
58. **Muhammad Shahzad Aslam**, Muhammad Syarhabil Ahmad, Muhammad Ayaz Ahmad, “An up-to-date review on phytochemical constituents and pharmacological activities of Melastoma malabathricum,” International Journal of Pharma Sciences and Research, 8(5), 2017/5. Pages 76-91

59. **Muhammad Shahzad Aslam**, Muhammad Syarhabil Ahmad, Muhammad Ayaz Ahmad, Application of Graphene, Graphene oxide and their derivatives as Wound healing: A Brief Review. *Advances in Environmental Biology*. 11(5) May 2017, Pages: 1-5
60. AKHTAR, Tashfeen and **Muhammad Shahzad Aslam** et al. To Study and Compare Perception of Health Care Professionals Regarding the Role of Pharmacist in Health Care System in Pakistan. *Multidisciplinary Journal for Education, Social and Technological Sciences*, [S.l.], v. 4, n. 2, p. 1-25, sep. 2017. ISSN 2341-2593. Available at: <<https://polipapers.upv.es/index.php/MUSE/article/view/7714>>. Date accessed: 27 sep. 2017. doi:<https://doi.org/10.4995/muse.2017.7714>.
61. Osman, W. R. S., Elebe, T. M., **Muhammad, S. A.** & Nisar, S. (2017).Data modeling for webbased mobile tracking system of internally displaced person during conflict. *International Journal of Information Dissemination and Technology*, 7(3), 222-226.
62. Maria S Atanassova, **Muhammad Shahzad Aslam**, Somesh Sharma, Manisha Nigam, Lyubomir M Atanassov, Ardalan Pasdaran, Mohammad Ayaz Ahmad (2018), Studies on nutritional facts of spring herbs collected from Bulgarian market, *Journal of Public Health and Nutrition*. Volume 1, Issue 3, p.p 70-75.

BOOK CHAPTER

1. **Muhammad Shahzad Aslam**, Muhammad Syarhabil Ahmad and Sarwat Ali Raja (2018). Solventless Extraction of Essential Oil, *Green Chemistry*, Prof. Hosam El-Din M. Saleh (Ed.), InTech, DOI: 10.5772/intechopen.72401. Available from: <https://www.intechopen.com/books/green-chemistry/solventless-extraction-of-essential-oil> (**ISI Indexed Book Chapter**)
2. **Muhammad Shahzad Aslam**, Muhammad Syarhabil Ahmad, Humayun Riaz, Syed Atif Raza, Shahzad Hussain, Omer Salman Qureshi, Povydysh Maria, Zainab Hamzah and Osama Javed (November 7th 2018). Role of Flavonoids as Wound Healing Agent, *Phytochemicals*, Toshiki Asao and Md Asaduzzaman, IntechOpen, DOI: 10.5772/intechopen.79179. Available from: <https://www.intechopen.com/books/phytochemicals-source-of-antioxidants-and-role-in-disease-prevention/role-of-flavonoids-as-wound-healing-agent> (**ISI Indexed Book Chapter**)

CONFERENCE PAPER

1. Bibi, Maryam, Khurm, Muhammad, **Aslam, Muhammad Shahzad**, Ahmad, Muhammad Ayaz, Qaiser, Muhammad Naeem, Nawaz, Sajid, Chaudhry, Bashir Ahmad, Uzair, Muhammad, Janbaz, Khalid Hussain, Afzal, Samina, Ghor, Muhammad Umer, "Preliminary Phytochemical and Biological activities on *Russelia juncea* Zucc," Proceedings DIALOGO (DIALOGO-CONF 2017), DOI: 10.18638/dialogo.2017.4.1.15, ISBN: 9978-80-554-1408-9, ISSN: 2393-1744, vol. 4, issue 1, pp. 159 - 174, 2017
2. Osman, Wan Rozaini Sheik, Karim, Anisah, **Aslam, Muhammad Shahzad**, Ahmad, Mohammad Ayaz, "A success model and implementation on examining teacher's attitude in using frog virtual learning environment," Proceedings DIALOGO (DIALOGO-CONF 2017), DOI: 10.18638/dialogo.2017.4.1.11, ISBN: 9978-80-554-1408-9, ISSN: 2393-1744, vol. 4, issue 1, pp. 116 - 129, 2017
3. Osman, Wan Rozaini Sheik, Mohamed, Hasanaein, **Aslam, Muhammad Shahzad, Ahmad**, Mohammad Ayaz, Nisar, Saima, "Comparative study to explore factors affecting E-government ranking: the case of Malaysia, Nigeria and Republic of Korea," Proceedings DIALOGO (DIALOGO-CONF 2017), DOI: 10.18638/dialogo.2017.4.1.12, ISBN: 9978-80-554-1408-9, ISSN: 2393-1744, vol. 4, issue 1, pp. 130 - 138, 2017
4. Humayun Riaz, Syed Atif Raza, Nabeela Jabeen, **Muhammad Shahzad Aslam**, Mahpara Gondal, Ayesha Shafi, Zia Mohyuddin. A survey of ornamental plants available in Lahore, Pakistan. 1st National Conference on Recent Advancements in Pharmaceutical Science, 7-8 March 2018, Page no. 53.
5. Humayun Riaz, Syed Atif Raza, **Muhammad Shahzad Aslam**, Shahzad Hussain, Osama Javed. Evaluation of antioxidant potential of *Catharanthus roseus* using ecofriendly solvents. 1st National Conference on Recent Advancements in Pharmaceutical Science, 7-8 March 2018, Page no.75.
6. **Muhammad Shahzad Aslam**. Optimization of *Ficus deltoidea* using Ultrasonic assisted extraction. 5TH National Conference at Rashid Latif Medical College, Back to basic on 17-18th April 2018

POSTER PRESENTATION

1. Tehseen Riaz, Humayun Riaz, Syed Atif Raza, **Muhammad Shahzad Aslam**, Ushna Tahir and Amina Arshad. Determining factor and approaches for frozen shoulder among community in Lahore, 1st National Conference on Recent Advancements in Pharmaceutical Science, 7-8 March 2018, page no.92-93.

LIST OF PAPERS SUBMITTED

1. Muhammad Adnan Jamil, Syed Atif Raza, Muhammad Abbas Sadiq, Muhammad Wasim, Humayun Riaz, Osama Javed, **Muhammad Shahzad Aslam**, Shahzad Hussain, Muhammad Hamza Malik. Method Development and Estimation of Phenylenediamine in gastric contents, blood and urine, Pakistan Journal of Pharmaceutical Science

AWARDS AND ACHIEVEMENTS:

- I have awarded scholarships by **Ministry of Higher Education (MOHE), Malaysia** under the **Malaysian International Scholarship (MIS)** to pursue my Ph.D.
- Won Publication assistance academic fund (**PAAF**) and laboratory fund (**PALAF**) of 2250 RM/= in 2014 and 2015.
- Top reviewer for Multidisciplinary subjects in 2017 (Source: Publon)
- Top reviewer for Assorted category in 2018 (Source: Publon)
- Participate in EKSPOR REKACIPTA UniMAP 2015- **Gold Medal** on “**Ultrasonic assisted solvent free extraction of essential oil**”
- Best of the best award in art, design, and creativity in EKSPOR REKACIPTA UniMAP 2015 on “**Ultrasonic assisted solvent free extraction of essential oil**”
- Participate in EKSPOR REKACIPTA UniMAP 2015- **Silver Medal** on making a product “**Dr. S Cream for wound healing**”
- Participate in EKSPOR REKACIPTA UniMAP 2014- **Bronze Medal** on making a product “**Pill containing *Elephantopus scaber***”
- Top Reviewer from Universiti Malaysia Perlis in 2017
- Among the Top 50 reviewer in Malaysia in 2018 (Source: Publon)

RESEARCH COLLABORATION:

- Malaysian Agricultural Research and Development Institute (MARDI)
- University of Tabuk, Saudi Arabia.
- Universiti Utara Malaysia, Sintok, Malaysia
- Department of Pharmacology & Toxicology, University of Veterinary and Animal Sciences, Lahore, Pakistan.
- Girijananda Chowdhury Institute of Pharmaceutical Science, Guwahati, India
- University of Lahore
- Pharmaceutical Academy, Russia

Certificates/Diploma/Trainings:

Certificates/Diploma/Trainings	Universities/Institutes
Writing in the Sciences (8 weeks online certification)	Stanford University, CA, USA.
Community changes in public health (5 weeks online certification)	Johns Hopkins Bloomberg School of Public Health, Johns Hopkins University, Baltimore, USA.
Introduction to Pharmacy	The Ohio State University, Columbus, OH 43210, USA
Clinical Emergency Care (35 credit hours course)	Fatima memorial hospital, Lahore.
English language Course	Punjab University, Lahore.
IT foundation Certification	SoftLogix, Model Town, Lahore.

SYMPOSIUM/WORKSHOP/SEMINAR ATTENDED

Management of Animal and Insect Bites and Stings, Fatima memorial System, Lahore, November 1, 2008
(3.5 credit hours)

Medication Safety: A Paradigm Shift in health Care System, Pharmacy Scientific Symposium and Pharmaceutical Exhibition, University of Central Punjab, Lahore, November 14, 2012.

Seminar Industri Herba Kawasan Utara 2015, 4th feb 2015, Hotel Seri Malaysia, Kangar, Perlis

SKILLS:

Chemdraw
Mendeley
LaTeX
JabRef
MS-Office
Corel draw
Typeset
n-VIVO
Dedoose

Graphic pad Prism
RevMan
XLSTATA
PREZI
ATLAS.ti
MAXQDA
Smart-PLS
SPSS

RESEARCH TITLE

M.Phil Investigation of Phytochemical and Pharmacological activity of *Ranunculus muricatus* and *Araucaria columnaris*

Ph.D. Synergistic effect of bioactive compounds of Polyherbal Fraction of *Clinacanthus nutans* and *Elephantopus scaber* in the Treatment of Wound

RESEARCH INTEREST

- Isolation of chemical components from traditional medicinal plants.
- Standardization of herbs
- In-Vitro and In-vivo wound healing evaluation
- Ethnobotanical and Ethno pharmacological studies
- Green Extraction technique
- Solvent-free Extraction of Essential oil
- Ultrasonic assisted Extraction
- Optimization of Extraction conditions using Response Surface Methodology
- Innovative Extraction method
- Method Development in identification of Pharmaceutical waste
- Pre-clinical and Pharmacokinetics studies on herbal Pharmaceuticals

EXPERTISE

- High-Performance Liquid Chromatography (H.P.L.C)
- Mass Spectrometry
- Liquid Chromatography-Mass spectrometry
- Nuclear Magnetic Resonance Spectroscopy
- Isolation of Bioactive Compounds
- Column chromatography
- Thin Layer Chromatography
- Metabolomic analysis
- Fragmentation pattern of Bioactive compounds
- Solvent-free extraction of Essential oil
- Green Extraction method
- Stability studies
- Drying technologies
- In-vitro Biological Activities such as anti-microbial, phytotoxicity, cytotoxicity
- In-vivo wound healing activities
- Nanomaterials in wound healings
- Commercialization of Herbal Product

- Data analysis of herbal products
- Content analysis using Social Media

PROFESSIONAL ORGANIZATION MEMBERSHIP

- Registered Pharmacist from Pharmacy Council of Pakistan.
- Member of Pakistan Pharmacist Association
- Member of American society of health system Pharmacist (ASHP)
- International Natural Product Sciences Taskforce (Inpst)

MEMBER OF EDITORIAL BOARD IN JOURNALS AS A REVIEWER

- International Journal of Food Properties
- Phytotherapy Research
- PeerJ — the Journal of Life and Environmental Sciences
- Applied Biochemistry and Biotechnology
- International Journal of Pharmacy and Pharmaceutical Science
- Annual Research and review in Biology
- International Journal of Pharmacy and Pharmaceutical Research
- Journal of Critical reviews
- Journal of medical and biological science Research
- European Journal of Medicinal Plants
- British Journal of Pharmaceutical Research
- International Journal of Pharmacy and Pharmaceutical Sciences
- Indian Research Journal of Pharmacy and Science
- Pakistan Journal of Pharmaceutical Research
- African Journal of Pharmacy and Pharmacology
- International Journal of Medical, Pharmacy and Drug Research(IJMPD)

- International Journal of Chemical, Gas and Material Science(IJCGM)
- Journal of International Research in Medical and Pharmaceutical Sciences
- Journal of Natural & Ayurvedic Medicine (JONAM)
- International Journal of Medical and Pharmaceutical Case Reports
- Asian Journal of Research in Medical and Pharmaceutical Sciences
- Chemical Science International Journal
- Journal of Pharmacognosy and Phytochemistry
- BAOJ Pharmaceutical Sciences
- American Journal of Applied Sciences
- Journal of Advances in Microbiology
- Asian Journal of Biology
- Journal of Applied Life Sciences International
- Journal of Pharmaceutical Research International
- Annual Research & Review in Biology
- Advances in Research
- European Journal of Biomedical and Pharmaceutical Sciences
- Journal of Advances in Medical and Pharmaceutical Sciences
- Journal of Biochemistry International
- Biotechnology Journal International
- Acta Scientific Pharmaceutical Sciences
- Science Asia
- Asian Journal of Agricultural and Horticultural Research
- Asian Plant Research Journal
- Asian Journal of Fisheries and Aquatic Research
- Oriental Journal of Physical Sciences
- MOJ Bioequivalence & Bioavailability
- Asian Food Science Journal
- Asian Journal of Chemical Sciences

- Journal of Health and Translational Medicine
- Journal of Complementary and Alternative Medical Research
- International Journal of Biochemistry Research & Review
- Journal of Advances in Biology & Biotechnology
- Traditional Medicine Research

MEMBER OF EDITORIAL BOARD IN JOURNALS AS AN EDITOR

- Medicine

OFFICIAL ADVISOR

- Mendeley
- Typeset

WORKSHOP PRESENTER/SPEAKER

- Workshop on “Mendeley” A bibliographic software on December, 4th 2017 at Rashid Latif College of Pharmacy, Lahore, Pakistan.
- Workshop on “Mendeley” A bibliographic software on December, 9th 2017 at Global Institute in collaboration with Rashid Latif College of Pharmacy and Warsha Intellectual Consultancy, Lahore, Pakistan.
- Workshop on “Mendeley” A bibliographic software on January, 13th 2018 at Lal Qila, Hyderabad in collaboration with Rashid Latif College of Pharmacy and Warsha Intellectual Consultancy, Lahore, Pakistan.
- Pre-Conference Workshop on “Mendeley” A bibliographic software on April, 16th 2018 at Rashid Latif College of Pharmacy, Lahore, Pakistan.

SEMINAR PRESENTER/SPEAKER

- Seminar on “How to write a review article” on 18th December 2017 at Rashid Latif College of Pharmacy, Lahore, Pakistan.

- Seminar on “Typeset” on 22th January 2018 at Rashid Latif College of Pharmacy, Lahore, Pakistan.
- Seminar on “An effective Research Proposal Writing” on 26th February 2018 at Rashid Latif College of Pharmacy, Lahore, Pakistan.

AWARENESS CAMPS ORGANIZED

- T.B Awareness Camp in **RASHID LATIF COLLEGE OF PHARMACY** on 24th March 2018.

CONFERENCE/EXIBITION ORGANIZER

- Member of Research Committee at 5th National Conference Rashid Latif Medical College 2018.
- Co-organizer of Scientific Model Competition in Ziauddin University, Karachi held on 15th October 2018.

SUBJECTS EXPERT IN TEACHING

SUBJECTS

Organic Chemistry
 Biochemistry
 Instrumentation
 Pharmaceutical Quality Control
 Pharmacognosy
 Medicinal Chemistry
 Pharmacology
 Physiology
 Research Methodology
 Medical Psychology
 Complementary and Alternative Medicine

PROPOSAL/SYNOPSIS/THESIS/GRANT REVIEWER

TITLE	MODE	UNIVERSITY	YEAR
Review the Research Grant title as “The Effect of Pegliposomes/Pegylation on stability of Insulin” under University Research Council (URC) Small Grant Program 2017-2018	RESEARCH GRANT	ZIAUDDIN UNIVERSITY	2018
Review the Synopsis title as “Comparison of probiotics, metformin and their combination therapy in improving symptoms of Polycystic Ovary Syndrome. A randomized clinical trial”	SYNOPSIS	ZIAUDDIN UNIVERSITY	2018
Review the Synopsis title as “Antidepressant activity of <i>Coriandrum sativum</i> and <i>Nardostachys jatamansi</i> in animal models of depression”	SYNOPSIS	ZIAUDDIN UNIVERSITY	2018

RESEARCH GRANT SUBMITTED

TITLE	GRANT NAME	UNIVERSITY	POSITION	YEAR
Design and application of curcumin loaded self-healing Poly(vinyl butyral) nano-mushroom hydrogel in the treatment of wound	MERCK RESEARCH GRANT	Independent Researcher	Co-investigator	2018
Advanced nano-material for wound healing	THE TOYOTA FOUNDATION RESEARCH GRANT	Independent Researcher	Co-investigator	2018
An extended Theory of Planned Behavior for intention to use herbal medicine for a sustainable environment	FRGS	Xiamen University Malaysia	Lecturer	2019

COURSE DESIGN FOR UNDERGRADUATE STUDENTS

SUBJECT	LEVEL	UNIVERSITY	POSITION	YEAR
Drugs, Society, and Human Behavior	Undergraduate	Xiamen University Malaysia	Lecturer	2018

REFERENCE

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School of Bioprocess Engineering
Universiti Malaysia Perlis
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Tel: +60194510111

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Universiti Utara Malaysia
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University Malaysia Sabah
Jalan UMS, 88400
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