

**SALMAN AHMED**

E-mail: salmanahmed@uok.edu.pk

Researcher Info and Profile	
ORCID (Open Researcher and Contributor ID)	ORCID ID: orcid.org/0000-0003-2033-0181 http://orcid.org/0000-0003-2033-0181
Scopus	Scopus Author ID: 56532555500 http://www.scopus.com/authid/detail.url?authorId=56532555500
Mendeley	https://www.mendeley.com/profiles/salman-ahmed22/
ResearchGate-United States	http://www.researchgate.net/profile/Salman_Ahmed5
Publons	Web of Science ResearcherID: B-8789-2015 https://publons.com/researcher/2436014/salman-ahmed/
Google Scholar	https://scholar.google.com.pk/citations?user=MppjuHAAAAAJ&hl=en
PubMed -NCBI	http://www.ncbi.nlm.nih.gov/myncbi/salman.ahmed.1/cv/25972/
Academia.edu-San Francisco, California	http://karachi.academia.edu/SalmanAhmed
LiveDNA	LiveDNA: 92.11143 http://livedna.org/92.11143

ACADEMIC QUALIFICATIONS

- **Ph.D.**, (Pharmacognosy) C.GPR = 3.83; University of Karachi (2019)
Thesis title: *In vitro* antiurolithiatic activity in genus *Macrotyloma* and *Phaseolus*.
- **M.Phil.**, (Pharmacognosy) C.GPR = 3.80; University of Karachi (2010).
Thesis title: Chemical and biological studies on some species of genus *Cordia*.
- **B.Pharm.** C.GPR = 3.15; University of Karachi (2004).
- **D.H.M.S.**, Mohammadi Homoeopathic Medical College, Malir, Karachi, (2010).
- **H.S.S.C.** 1st Division , B-Grade; Govt Science College Malir Cantt, Karachi (1997).
- **S.S.C.** 1st Division, A-1 Grade; Govt Boys Secondary School # 02 (1995).



CURRENT STATUS

- Assistant Professor (BPS-19) Department of Pharmacognosy, Faculty of Pharmacy and Pharmaceutical Sciences, University of Karachi from 07-06-2016 to date.

PROFESSIONAL EXPERIENCE

- **2013 - 2016**
As a Lecturer in (BPS-18) Department of Pharmacognosy, Faculty of Pharmacy and Pharmaceutical Sciences, University of Karachi from 21-01-2013 to 06-06-2016.
- **2005 - 2009**
As an Officer Production Searle Pharmaceuticals Pakistan Ltd. in Solid manufacturing area from 04-04-2005 to 09-10-2009.
- **2005**
Management Trainee as Granulation Technician from 16-12-2004 to 15-03-2005 in Searle Pharmaceuticals Pakistan Ltd.
- **2004**
Management Trainee as Q.A. Inspector in PharmEvo (Pvt.) Ltd. from 17-09-2004 to 10-12-2004.
Internship in Helix Pharma (Pvt.) Ltd from 06-06-2004 to 20-07-2004.

PROFESSIONAL STATUS

- Registered Pharmacist, Pharmacy Council of Sindh, Karachi, Pakistan (Registration No. 2688).
- Registered Homoeopath Doctor, National Council for Homoeopathy, Islamabad, Pakistan (Registration No.131059).

MEMBER OF SCIENTIFIC SOCIETIES AND COMMITTEES

- Focal Person, Office of Research, Innovation and Commercialization (ORIC), Department of Pharmacognosy, University of Karachi from March 17, 2017 to date.



- Global Outreach Contribution Member, American Society for Microbiology (ASM), Washington. (ASM Member # : 54253189).
- Life Fellow, Zoological Society of Pakistan (ZSP), Punjab, Pakistan (ZSP # 77).
- Life member, The Chemical Society of Pakistan, Islamabad, Pakistan (Registration No. S0387).
- Life member, Pakistan Botanical Society (PBS), Karachi, Pakistan.

MEMBER OF ACADEMIC AND ADMINISTRATIVE BOARDS AND COMMITTEES

- Annual member, University of Karachi Alumni, Karachi, Pakistan (Registration No. 079).
- Member, Karachi University Pharmacy Alumini, Karachi, Pakistan (Membership No.KUPA-04005).
- Quality Enhancement Cell Committee, Faculty of Pharmacy and Pharmaceutical Sciences, University of Karachi from May 05, 2016 to date.
- Industrial visit, internship and training committee, Faculty of Pharmacy and Pharmaceutical Sciences, University of Karachi from February 02, 2017 to date.
- Board of Faculty, Faculty of Pharmacy and Pharmaceutical Sciences, University of Karachi from January 21, 2013 to January 21, 2016.
- Board of Faculty, Faculty of Pharmacy and Pharmaceutical Sciences, University of Karachi from January 21, 2019 to date.
- Board of Studies in Pharmacognosy, Faculty of Pharmacy, University of Karachi from January 21, 2013 to January 21, 2016.
- Board of Studies in Pharmacognosy, Faculty of Pharmacy, University of Karachi from January 21, 2019 to January 21, 2022.



RESEARCH GRANTS

S. No.	Title	Research Grant No.	Funding agency / University	Amount (PKR)	Year
1.	Chemical analysis and Pharmacological activity of plants traditionally used in diarrhea	DRG - 70099396	Dean's Research Grant, University of Karachi	150,000 /=	2021
2.	Phytochemical studies on <i>Phaseolus lunatus</i> and its effects on digestive enzymes	DRG - 05160004		100,000 /=	2018
3.	Comparative pharmacological studies on <i>Phaseolus</i> species	DRG - 65570215		102,500 /=	2016
4.	Biological studies on <i>Tithonia diversifolia</i> (Hemsl.) A.Gray	DRG - 4503918		100,000 /=	2014

AWARDS AND HONORS

- Nishan-e-Zafar (an award of University of Karachi for Meritorious services in Education and Research) for the year 2013-2014.

http://www.researchgate.net/publication/268389305_NISHAN-E-ZAFAR

INVITED LECTURES (03)

- **Salman Ahmed**, invited speaker of "Ethnopharmacology - The Science behind herbal medicine discovery from ancient wisdom" in Biological session of 4th International Conference on Environmental Horizon - Valuing and Conserving Nature (ICEH-2016), January 08-10, 2016, Karachi. Jointly organized by Department of Chemistry and International Center for Chemical and Biological Sciences, University of Karachi.
https://www.researchgate.net/publication/290605245_Ethnopharmacology_The_Science_behind_herbal_medicine_discovery_from_ancient_wisdom
- **Salman Ahmed**, invited speaker of "Herbal Medicine - leaf to drug molecule" one day seminar, September 16, 2015, Karachi. Organized by Department of Botany, Jinnah University for Women, Karachi, Karachi, Pakistan.
https://www.researchgate.net/publication/283461098_Memory_of_Second_invited_lecture---Sep-2015_%281%29
- **Salman Ahmed**, invited speaker of "Ethnopharmacology- Drug discovery from treasure house of ancient wisdom" delivered in Symposium on World Diabetes Day "Role of Ethnopharmacology in metabolic disorders", November 18, 2014,



Karachi. Organized by Phytopharmacology and Biotechnology Research Laboratory, Department of Biochemistry, University of Karachi, Karachi, Pakistan.

https://www.researchgate.net/publication/268446534_Ethnopharmacology-Drug_Discovery_from_Treasure_House_of_Ancient_Wisdom

PARTICIPATION

INVITED REFEREE / REVIEWER ([Webofscience: B-8789-2015](#))

1. Elsevier

- Pharmacological Research (11)
- Life Sciences (20)
- Journal of Traditional and Complementary Medicine (03)
- Heliyon (13)
- Food and Chemical Toxicology (01)

2. Springer Nature

- Molecular Neurobiology (01)
- World Journal of Surgical Oncology (02)
- International Journal of Peptide Research and Therapeutics (02)

3. Wiley

- Journal of Food Biochemistry (01)
- Clinical and Experimental Pharmacology and Physiology (02)

4. MDPI

- Nutrients (02)
- Molecules (01)
- International Journal of Molecular Sciences (01)

5. Hindawi Limited

- Oxidative Medicine and Cellular Longevity (01)

6. Dove Medical Press Limited

- Journal of Experimental Pharmacology (02)
- Drug Design, Development and Therapy (01)
- International Journal of Nanomedicine (03)

7. SCIENCEDOMAIN International

- European Journal of Medicinal Plants (01)
- Journal of Pharmaceutical Research International (12)



8. Cell Press, American Society of Gene & Cell Therapy

- Molecular Therapy - Nucleic Acid (03)

9. Medknow Publications

- Indian Journal of Pharmaceutical Sciences (01)

10. Oriental Scientific Publishing Company

- Biomedical and Pharmacology Journal (42)

11. International Scientific Information Incorporation

- Medical Science Monitor (01)

12. Faculty of Pharmacy, Helwan University, Egypt

- Journal of Advanced Pharmacy Research (01)

13. The Hashemite University, Jordan

- Jordan Journal of Biological Sciences (04)

14. Trisakti University, Indonesia

- Universa Medicina (01)

15. Academic Journals, Nigeria

- Journal of Medicinal plant Research (01)

16. Jinnah University for Women, Pakistan

- RADS- Journal of Pharmacy and Pharmaceutical Sciences (01)

POSTER PRESENTATION (16)

1. Nimra Mazhar, Sadia Ghouseia Baig , **Salman Ahmed** and Muhammad Mohtasheemul Hasan. Analgesic and anti-inflammatory potential of four varieties of Bell Pepper (*Capsicum annum* L.) in rodents. International Research Conference on Pharmaceutical and Allied Sciences (IRCPAS 2020), March 7-8, 2020, Malaysia. Organized by UCSI University, Kuala Lumpur, Malaysia.
2. **Salman Ahmed** and Muhammad Mohtasheemul Hasan. Growth of brushite crystals on glass slide: A simple and inexpensive *in vitro* model to evaluate natural antiurolithiatic drugs. 7th International Symposium-cum-Training Course on Molecular Medicine and Drug Research (MMDR-7), November 4-7, 2019, Karachi. Organized by Dr. Panjwani Center for Molecular Medicine and Drug



Research, International Center for Chemical and Biological Sciences, University of Karachi.

3. Syed Muhammad Umer Gilani, Rifat Roshan, **Salman Ahmed** and Muhammad Mohtasheemul Hasan. Antitussive effect of aerial parts of *Caesalpinia pulcherrima* by sulphur dioxide induced cough in rats. 1st International Conference on Research Perspectives in Pharmaceutical Sciences (ICRPPS) , October 23-25, 2019, Karachi. Jointly organized by Faculty of Pharmacy, Hamdard University, Karachi and International Center for Chemical and Biological Sciences, University of Karachi.
4. **Salman Ahmed** and Muhammad Mohtasheemul Hasan. Growth of urate (gouty and urinary) crystals on glass slide: A simple and Inexpensive *in vitro* model to evaluate natural antiurolithiatic and anti-gout drugs. 5th Science and Technology Exchange Program on Challenges of Communicable and Non-Communicable Diseases (STEP - 5), February 27 - March 02, 2019, Karachi. Jointly organized by Mustafa^(PBUH) Science and Technology Foundation, Iran and Dr. Panjwani Center for Molecular Medicine and Drug Research, International Center for Chemical and Biological Sciences, University of Karachi.
5. **Salman Ahmed** and Muhammad Mohtasheemul Hasan. Inhibition of hyperoxaluric calcium oxalate nephrolithiasis by *Macrotyloma uniflorum* (Lam.) Verdc. seeds infusion on glass slide. 9th ANRAP International Seminar From Plant To Patient: Identification of new drugs for metabolic disorders, January 25 - 27 , 2019, Karachi. Jointly organized by Dr. Panjwani Center for Molecular Medicine and Drug Research, International Center for Chemical and Biological Sciences, University of Karachi and Asian Network for Research on Antidiabetic Plants (ANRAP), Bangladesh.
6. Rifat Roshan, Syed M. Umer Gilani, **Salman Ahmed** and Muhammad Mohtasheemul Hasan. Antitussive effect of some medicinal plants on sulphur dioxide induced cough in animal model. Fourteenth Biennial Conference on "Molecular Biosciences: Research and Innovations", December 9-12, 2018, Karachi. Organized by Pakistan Society for Biochemistry and Molecular Biology (PSBMB), Dr. A. Q. Khan Institute Of Biotechnology & Genetic Engineering (KIBGE), University of Karachi.
7. **Salman Ahmed** and Muhammad Mohtasheemul Hasan. Growth of urinary calcium oxalate crystals on glass slide and their inhibition by *Phaseolus lunatus* L. infusion. 14th International Symposium on Natural Product Chemistry (ISNPC-14), November 6-8, 2018, Karachi. Organized by International Center for Chemical and Biological Sciences, University of Karachi.



8. **Salman Ahmed** and Muhammad Mohtasheemul Hasan. Growth of urinary calcium oxalate crystals on glass slide and their inhibition by *Phaseolus vulgaris* L. infusion. 2nd International Symposium on Natural Products for the Future (ISNPF-2), November 4-6, 2018, Karachi. Jointly organized by International Center for Chemical and Biological Sciences, University of Karachi and Phytochemical Society of Asia.
9. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. Total, insoluble and soluble dietary fiber contents of three Pakistani legume flours. 4th International Conference on Environmental Horizon - Valuing and Conserving Nature (ICEH-2016), January 08-10, 2016, Karachi. Jointly organized by Department of Chemistry and International Center for Chemical and Biological Sciences, University of Karachi.
10. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. Total, insoluble and soluble oxalate contents of three Pakistani legume flours. 4th Pak-France Bi-national workshop on drug discovery and molecular medicine, October 12-14, 2015, Karachi. Jointly organized by Dr. Panjwani Center for Molecular Medicine and Drug Research (International Center for Chemical and Biological Sciences, University of Karachi, Karachi) and Embassy of Republic of France, Islamabad, Pakistan.
11. Muhammad Sohail Anwer, Sumbul Shamim, **Salman Ahmed**, Mohammad Mohtasheemul Hasan and Iqbal Azhar. Hypotensive activity of *Melilotus officinalis* (L.) PALLAS. Third Hamdard International Unani Medicine Conference on "Unani Medicine: Education and research issues, prospects and challenges (HUCON-2013)", February 25-27, 2013, Karachi. Organized by Hamdard University, Faculty of Eastern Medicine, Hamdard University, Karachi- 74600, Pakistan.
12. Najma Shaheen, **Salman Ahmed**, Iqbal Azhar and M. Mohtasheem. Analgesic activity on two Cleome species. 10th International and 22nd National Chemistry Conference, November 21-23, 2011, Faisalabad. Organized by Department of Chemistry and Biochemistry, University of Agriculture, Faisalabad, Pakistan.
13. Kanwal Waseem, **Salman Ahmed**, M. Mohtasheemul Hasan, Syed Waseemuddin Ahmed and Iqbal Azhar. Analgesic activity of *Luffa cylindrica*. Symposium cum Workshop on Tools in Biomedical Research (Golden Jubilee Celebration Series), March 01-03, 2011, Karachi. Organized by Department of Biochemistry, University of Karachi.



14. Kanwal Waseem, M. Mohtasheemul Hasan, **Salman Ahmed**, Syed Waseemuddin Ahmed and Iqbal Azhar. Anti-inflammatory activity of *Luffa cylindrica*. 1st International Conference of Chemistry and its role in Science (ICCRS-1), January 3-5, 2011, Karachi. Organized by Department of Chemistry, Jinnah University for Woman, Karachi.
15. **Salman Ahmed**, Iqbal Azhar, M. Mohtasheemul Hasan and Syed Waseemuddin Ahmed. Anti-emetic activity of six aromatic medicinal plants by using chick emetic model. 1st International Symposium on Nanomedicine: Past, Present & Future Prospects, December 20-21, 2010, Karachi. Jointly organized by H.E.J. Research Institute of Chemistry, University of Karachi, Karachi and The Center of Nanoscale Science Technology, University of Illinois at Urbana-Champaign, USA.
16. Iqbal Azhar, M. Mohtasheemul Hasan, **Salman Ahmed**, Affan Zahid and Rabail Zahid. Anti-emetic activity of some aromatic medicinal plants. 12th International Symposium on Natural Product Chemistry, November 22 – 25, 2010, Karachi. Organized by H. E. J. Research Institute of Chemistry, University of Karachi, Karachi.

INTERNATIONALLY RECOGNISED ONLINE COURSES (08)

(Total Credit Hours: 02)

1. Mentoring in Peer Review conducted by Web of Science Academy Certificate, course completion May, 2021.
2. Co-reviewing with a Mentor conducted by Web of Science Academy Certificate, course completion May, 2021.
3. Reviewing in the sciences conducted by Web of Science Academy Certificate, course completion May, 2021.
4. Publons Academy Mentor Certification course completion May, 2021.
5. Publons Academy Practical Peer Review Course, course completion 27 January, 2021.
6. "Publishing a Journal Manuscript - the Groundwork" conducted by Springer Nature Switzerland AG, course completion April 23, 2015.
7. "Springer English Academy" conducted by Springer Nature Switzerland AG, course completion April 21, 2015.



8. "Journal Author Academy Part 1: Writing your Manuscript" conducted by Springer Nature Switzerland AG, course completion April 17, 2015.
9. "Journal Author Academy Part 2: Submitting and Peer Review" conducted by Springer Nature Switzerland AG, course completion April 17, 2015.
10. "Clinically Relevant Herb-Drug Interactions: Past, Present, and Future-National Center for Complementary and Alternative Medicine", under the program of Online Continuing Education Series conducted by National Center for Complementary and Integrative Health, U.S. National Institutes of Health (NIH). Lecturer: Bill J. Gurley, Ph.D. Professor in the Department of Pharmaceutical Sciences and director of the Clinical Pharmacokinetics Laboratory at the University of Arkansas for Medical Sciences College of Pharmacy, course completion March 06, 2015 **(Credit hour:01)**.
11. "Integrative Medicine-National Center for Complementary and Alternative Medicine", under the program of Online Continuing Education Series conducted by National Center for Complementary and Integrative Health, U.S. National Institutes of Health (NIH). Lecturer: Ralph Snyderman, M.D. James B. Duke Professor of Medicine in the Duke University School of Medicine, course completion March 06, 2015 **(Credit hour: 01)**.
12. "Course on Research Communication Skills Development", September 2-3, 2014 Karachi. Organized by Office of Research Innovation and Commercialization (ORIC), University of Karachi.

WORKSHOPS (15)

1. HEC Pakistan Author Workshop on "Dissecting the Scholarly Publishing Process: An Overview and Guidance on Publishing" held on 27th of January 2021. Jointly organized by Higher Education Commission (HEC) Pakistan and John Wiley & Sons, Inc. United States.
2. Pipette Clinic Workshop, held on October 10, 2018, Karachi. Jointly organized by Eco Biosciences in collaboration with Eppendorf.
3. 4th Pak-France Bi-national Workshop on Drug Discovery and Molecular Medicine, held on October 12-14, 2015. Jointly organized by Dr. Panjwani Center for Molecular Medicine and Drug Research, International Center for Chemical and Biological Sciences, University of Karachi and Embassy of France, Islamabad, Pakistan.
4. Workshop on Active Citizens Training of Facilitators held on August 17-21, 2015, Karachi. Jointly organized by British Council and University of Karachi.
5. Workshop on Developing Industry Driven Technologies held on January 06, 2015, Karachi. Jointly organized by Office of Research, Innovation and



Commercialization (ORIC), University of Karachi ; Pakistan Scientific and Technological Information Centre (PASTIC) ; Institute of Research Promotion (IRP).

6. NASIC workshop on Modern Spectroscopic Techniques and their applications in structure determination held on December 1-3, 2014, Karachi. Jointly organized by Network of Academies of Sciences in Islamic Countries (NASIC) and H.E.J Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi, Karachi.
7. Workshop on Self-Assessment Program / Report, held on September 16th- 17th, 2014, Karachi. Organized by Quality Enhancement Cell, University of Karachi, Karachi.
8. Regional Workshop on Chemical Laboratory safety and security, held on June 5-6, 2012, Karachi. Organized by H.E.J. Research Institute of Chemistry, University of Karachi, Karachi.
9. Workshop on Intellectual Property Rights (Patent Copy Right Laws/Trade Marks) held on June 2, 2012, Karachi. Jointly organized by Office of Research Innovation and Commercialization (KU-ORIC) and Pakistan Scientific & Technological Information Centre (PASTIC) Karachi, Pakistan.
10. One day “Research Methodology Workshop” held on March 25, 2012, Karachi. Organized by The Universal Research Group.
11. One day SPSS workshop (Intermediate Level) on “Quantitative Analysis and Data Management Using Statistical Package for Social Sciences (SPSS)” held on July 16, 2011, Karachi. Organized by The statistical and data management consulting group (Stats DMCG) in collaboration with Infection control society Pakistan and Bridge consultants Foundation.
12. Workshop on “Techniques in Nanomedicine Research” held on December 22-23, 2010, Karachi. Organized by the International Center for Chemical and Biological Sciences, University of Karachi, Pakistan.
13. Two days’ Workshop on “Development of Sustainable and Collaborative Research Networks” held on December 6-7, 2010, Karachi. Jointly organized by British Council and Higher Education Commission.
14. 2nd Workshop on “Nutraceutical Foods” on April 13, 2010. Organized by Department of Food Science and Technology, International Center for Chemical and Biological Sciences, British Council Karachi, Convenience Food Industries (Pvt) Ltd. and English Biscuit Manufacturers (Pvt) Ltd.



15. Workshop on “Pharmaceutical Regulatory Challenges and Compliance” held on February 25, 2010, Karachi. Organized by Seminar Committee Faculty of Pharmacy, University of Karachi.

SYMPOSIUMS (15)

1. International Symposium on Plant Life of South Asia held on February 24-27, 2020, Karachi. Organized by Centre for Conservation and Department of Botany, University of Karachi.
2. 7th International Symposium-cum-Training Course on Molecular Medicine and Drug Research (MMDR-7), November 4-7, 2019, Karachi. Jointly organized by Dr. Panjwani Center for Molecular Medicine and Drug Research, International Center for Chemical and Biological Sciences, University of Karachi.
3. 14th International Symposium on Natural Product Chemistry (ISNPC-14), held on November 6-8, 2018, Karachi. Organized by International Center for Chemical and Biological Sciences, University of Karachi.
4. 2nd International Symposium on Natural Products for the Future (ISNPF-2), held on November 4-6, 2018, Karachi. Jointly organized by International Center for Chemical and Biological Sciences, University of Karachi and Phytochemical Society of Asia.
5. 6th International Symposium-cum-Training course on Molecular Medicine and Drug Research held on November 6 – 9, 2017. Organized by Dr. Panjwani Center for Molecular Medicine and Drug Research, Pakistan.
6. 3rd Symposium on Bioanalytical and bioequivalence Studies, held on August 18-19, 2015, Karachi. Organized by the Center for Bioequivalence Studies and Clinical Research (International Center for Chemical and Biological Sciences), University of Karachi.
7. Symposium on World Diabetes Day “Role of Ethnopharmacology in metabolic disorders”, held on November 18, 2014, Karachi. Organized by Phytopharmacology and Biotechnology Research Laboratory, Department of Biochemistry, University of Karachi.
8. IYCr South Asia summit meeting on vistas in structural chemistry, held on April 28-30, 2014 Karachi. Jointly organized by H.E.J. Research Institute of Chemistry, University of Karachi, Karachi, UNESCO and International Union of Crystallography (IUCr).



9. 14th Asian Symposium on Medicinal Plants, Spices and other natural Products (ASOMPS-XIV), held on December 09-12, 2013, Karachi. Organized by International Central for Chemical and Biological Sciences, University of Karachi.
10. International symposium on "Exploring biochemistry: molecular innovations and beyond", held on December 5, 2012. Organized by Department of Biochemistry, University of Karachi, Karachi.
11. 13th International Symposium on Natural Product Chemistry, held on September 22 – 25, 2012, Karachi. Organized by H. E. J. Research Institute of Chemistry, University of Karachi, Karachi.
12. "Symposium cum workshop on tool in Biomedical research" Golden jubilee celebration series, held on March 1-3, 2011. Organized by Department of Biochemistry, University of Karachi, Karachi.
13. 1st International Symposium on Nanomedicine: Past, Present & Future Prospects, held on December 20-22, 2010, Karachi. Jointly organized by H.E.J. Research Institute of Chemistry , University of Karachi , Karachi and The Center of Nanoscale Science Technology , University of Illinois at Urbana-Champaign , USA.
14. 12th International Symposium on Natural Product Chemistry, held on November 22 – 25, 2010, Karachi. Organized by H. E. J. Research Institute of Chemistry, University of Karachi, Karachi.
15. Symposium on "Hospital Pharmacy Practice" held on November 17, 2009. Organized by Ziauddin College of Pharmacy, Ziauddin University. In collaboration with the society of Hospital Pharmacists of Pakistan (SHPP).

CONFERENCES (14)

1. 1st International Industrial Chemistry Conference 2021 held on February 26-27, 2021. Organized by Department of Chemistry, NED University of Engineering & Technology, Pakistan.
2. 2nd Probe Conference: Molecules to mechanisms, held on January 07 – 09, 2020. Organized by Department of Physiology, University of Karachi.
3. 1st International Conference on Research Perspectives in Pharmaceutical Sciences (ICRPPS) , October 23-25, 2019, Karachi. Jointly organized by Faculty of Pharmacy, Hamdard University, Karachi and International Center for Chemical and Biological Sciences, University of Karachi.
4. 5th Science and Technology Exchange Program on Challenges of Communicable and Non-Communicable Diseases (STEP - 5), February 27 - March 02, 2019, Karachi. Jointly organized by Mustafa^(PBUH) Science and Technology Foundation,



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

5. Fourteenth Biennial Conference on "Molecular Biosciences: Research and Innovations" held on December 9-12, 2018, Karachi. Organized by Pakistan Society for Biochemistry and Molecular Biology (PSBMB), Dr. A. Q. Khan Institute of Biotechnology & Genetic Engineering (KIBGE), University of Karachi.
6. "1st Probe Conference – Biology: Down the Road", held on January 16 – 18, 2018. Organized by Department of Physiology, University of Karachi. CME accredited by Baqai Medical University, Credit hours: 12.
7. 14th Eurasia Conference on Chemical Sciences held on December 15-18, 2016. Organized by H.E.J. Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi.
8. 14th National and 5th International Conference of Climate change and Phytodiversity challenges and Opportunities, held on January 15-18, 2016. Jointly organized by Pakistan Botanical Society, Department of Botany, Centre for Plant Conservation, Institute of Sustainable Halophyte Utilization, Department of Agriculture and Agribusiness Management, University of Karachi.
9. First International Conference on Life Sciences "Emerging trends in biological Sciences and Genomics", December 28-30, 2015, Karachi. Jointly organized by M.A.H. Qadri Biological Research Center (BRC) and Dr. A.Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi.
10. 6th National Pharmacognosy Conference on "Health concerns and Phytotherapies, June 26, 2014 Karachi. Organized by Pakistan Society of Pharmacognosy and Natural Therapy, Research Institute of Pharmaceutical Sciences, Department of Pharmacognosy, Faculty of Pharmacy, University of Karachi.
11. Third Hamdard International Unani Medicine Conference on "Unani Medicine: Education and research issues, prospects and challenges (HUCON-2013)", February 25-27, 2013. Organized by Hamdard University, Faculty of Eastern Medicine, Hamdard University, Karachi- 74600, Pakistan.
12. 2nd National Phycological Conference "Algae for Mankind", October 15-17, 2012, Karachi. Organized by Department of Botany, University of Karachi, Karachi.
13. 1st National Conference on Pharmacy Profession: success tool for Health Care System, May 2-3, 2012. Organized by Dow College of Pharmacy, Dow University of Health Sciences, Karachi.



14. 1st International conference of Chemistry and its role in science (ICCRS-1), January 3-5, 2011. Organized by Jinnah University for women, Karachi.

SEMINARS (17)

1. 9th ANRAP International Seminar From Plant To Patient: Identification of new drugs for metabolic disorders, January 25 - 27 , 2019. Jointly organized by Dr. Panjwani Center for Molecular Medicine and Drug Research, International Center for Chemical and Biological Sciences, University of Karachi and Asian Network for Research on Antidiabetic Plants (ANRAP), Bangladesh.
2. Innovations in Pharmacotherapy and Disease Management, held on September 26-27, 2018. Organized by Institute of Pharmaceutical Sciences, Jinnah Sindh Medical University, Karachi, Pakistan.
3. Seminar on How to develop Entrepreneurial Mindset, held on March 21, 2018. Organized by The Office of Research, Innovation and Commercialization (ORIC), University of Karachi, Pakistan.
4. Seminar on Marine Research and Introduction to Scuba Diving, held on February 26 – 27, 2018. Organized by Institute of Marine Science, University of Karachi, Pakistan.
5. Bioequivalence and Pharmacovigilance Awareness Session held on April 8, 2017. Jointly organized by Center for Bioequivalence Studies and Clinical Research, Dr. Panjwani Center for Molecular Medicine and Drug Research, International Center for Chemical and Biological Sciences, University of Karachi, Pakistan.
6. Prof. Dr. Mustafa Shameel Memorial Seminar on Industrial Application of Seaweed, held on July 19, 2016. Organized by Office of Research, Innovation and commercialization (ORIC), University of Karachi.
7. Perspective and Dimensions of Drug Product Bioequivalence in 21st Century, held on December 15, 2015. Organized by Department of Pharmaceutics, University of Karachi.
8. Research proposal writing and time management, held on September 15, 2015. Organized by Office of Research, Innovation and Commercialization (ORIC), University of Karachi.
9. EndNote: The Citation Management Software", held on February 26, 2015. Organized by Karachi University Teachers' Society (KUTS), University of Karachi.



10. Awareness Seminar Ebola Virus: A possible threat, held on September 12, 2014. Organized by Food Safety Research Group (FSRG), Department of Microbiology, University of Karachi.
11. Shameel Memorial Seminar on Algal Resources of Pakistan, held on May 6-7, 2014. Jointly organized by Institute of Marine Science, University of Karachi, Karachi and Office of Research, Innovation and Commercialization (ORIC), University of Karachi.
12. Academia integrity and Plagiarism, held on February 12, 2014. Organized by Karachi University Teachers' Society (KUTS), University of Karachi.
13. Current trends in Hospital Pharmacy-Practice and role of Pharmacists, held on April 18, 2013. Organized by Pakistan Society of Health -System Pharmacists, Karachi.
14. Innovative contribution of Pharmacists in collaborative Pharmacy Practice, held on February 02, 2013, Karachi. Organized by Faculty of Pharmacy, University of Karachi, Karachi.
15. Essentials of Pharmaceutical Industries, held on September 16, 2010. Jointly organized by Ingrope Information Services and Seminar committee Faculty of Pharmacy University of Karachi.
16. Pharmacy- The versatile approach towards professionalism, held on March 20, 2010. Organized by Faculty of Pharmacy, University of Karachi.
17. Fundamentals of G.M.P, held on February 23, 2010. Jointly organized by Ingrope Information Services and Seminar committee Faculty of Pharmacy University of Karachi.

LECTURES (03)

1. A public Lecture by COMSTECH on Engagement in Medical Research to promote National Health and Wellbeing, January 21, 2021, Islamabad. Organized by OIC Ministerial Standing Committee on Scientific and Technological Cooperation (COMSTECH).
2. Lecture on Breast Cancer awareness, February 04, 2015, Karachi. Organized by Department of Pharmacognosy, Faculty of Pharmacy, University of Karachi.
3. An online lecture on "The Thrilling World of Discovery" by Prof. Dr. Atta-ur-Rehman on the account of "World Science Day for Peace and Development 2014", November 10, 2014. Organized by International Center for Chemical and Biological Sciences, University of Karachi and National Academy of Young Scientists, Pakistan.



TRAINING SESSION (01)

1. “Boost your knowledge with ProQuest Business Premium Collection Database”, held on February 16, 2021. Organized by ProQuest LLC (United States) under the patronage of Higher Education Commission, Pakistan.

PUBLICATIONS

BOOKS (05)

Publications (Books) - 2014

1. **Salman Ahmed.** *Tithonia diversifolia* (Hemsl.) A. Gray: Ethnopharmacology, biological and phytochemical investigation. (ISBN: 978-3-659-11057-3). LAP LAMBERT Academic Publishing, Omniscryptom GmbH & Co. KG, Heinrich-Bocking-Str.6-8, 66121 Saabrucken Deutschland / Germany [Pages. 64](#) , (2014).

Publications (Books) - 2013

2. **Salman Ahmed**, Sohail Anwer and Iqbal Azhar. *Melilotus officinalis* (L.) Pallas: Ethnopharmacology, biological and phytochemical investigation. (ISBN: 978-3-659-49132-0). LAP LAMBERT Academic Publishing, Omniscryptom GmbH & Co. KG, Heinrich-Bocking-Str.6-8, 66121 Saabrucken Deutschland / Germany. [Pages. 104](#) , (2013).
3. **Salman Ahmed.** *Ficus exasperata* and *Cleome ciliata*: ethnopharmacology, biological and phytochemical investigation (ISBN: 978-3-659-43611-6). LAP LAMBERT Academic Publishing, AV Akademie Verlag GmbH & Co. KG, Heinrich-Bocking-Str.6-8, 66121 Saabrucken Deutschland / Germany. [Pages. 112](#), (2013).
4. **Salman Ahmed**, Farhana Tasleem and Iqbal Azhar. *Samanea saman* and *Prosopis cineraria*: Traditional use- biological and phytochemical investigation (ISBN: 978-3-659-36955-1). LAP LAMBERT Academic Publishing, AV Akademie Verlag GmbH & Co. KG, Heinrich-Bocking-Str.6-8,66121 Saabrucken Deutschland / Germany. [Pages. 52](#) (2013).

Publications (Books) - 2011

5. M. Mohtasheem ul Hasan, **Salman Ahmed** and S. Waseemuddin Ahmed. Genera *Phoenix*, *Castanospermum* and *Cordia*: Traditional use- biological and phytochemical investigation (ISBN: 978-3-8454-7720-6). LAP LAMBERT Academic Publishing GmbH & Co. KG, Dudweiler Landstraße 99 , 66123 Saarbrücken, Germany. [Pages. 156](#) (2011).



BOOK CHAPTER

- Ziyad Khan, **Salman Ahmed**, Marya, Hammad Ullah, Haroon Khan. Chapter 4.23 - Vitamin E (tocopherols and tocotrienols) (natural-occurring antioxidant; bright and dark side). In: Antioxidants Effects in Health. Edited by Seyed Mohammad Nabavi and Ana Sanches Silva, **Elsevier**: 547-560.DOI: [10.1016/B978-0-12-819096-8.00066-5](https://doi.org/10.1016/B978-0-12-819096-8.00066-5)

RESEARCH PAPERS (108)

International (87) : National (21)

Publications (Research papers) - 2023

1. **Salman Ahmed**, Waqas Alam, Khalaf F. Alsharif, Michael Aschner, Fuad M. Alzahrani, Luciano Saso and Haroon Khan. Therapeutic potential of marine peptides in malignant melanoma. Environmental Research, 227: 115771, 2023. (IF = 8.431)
2. **Salman Ahmed**, Waqas Alam, Michael Aschner, Rosanna Filosa, Wai San Cheang, Philippe Jeandet, Luciano Saso and Haroon Khan. Marine Cyanobacterial Peptides in Neuroblastoma: Search for Better Therapeutic Options. Cancers, 15(9): 2515, 2023. (IF = 6.575)

Publications (Research papers) - 2022

3. **Salman Ahmed**, Waqas Alam, Michael Aschner, Khalaf F. Alsharif, Ashraf Albrakati, Luciano Saso and Haroon Khan. Natural products targeting the ATR-CHK1 signaling pathway in cancer therapy. Biomedicine & Pharmacotherapy, 155: 113797, 2022. (IF = 7.419)
4. Nimra Mazhar, Muhammad Mohtashem ul Hasan, Sadia Ghouseia Baig, **Salman Ahmed**, Razia Jaffery, Rahila Ikram. Diuretic and anti-diarrheal potential of four fruit extracts of *Capsicum annum* L. Pakistan Journal of Pharmaceutical Sciences, 35(5): 1357-1362, 2022. (IF = 0.863)
5. **Salman Ahmed**, Waqas Alam, Philippe Jeandet, Michael Aschner, Khalaf F. Alsharif, Luciano Saso, Haroon Khan. Therapeutic Potential of Marine Peptides in Prostate Cancer: Mechanistic Insights. Marine Drugs, 20:466, 2022. (IF= 6.085)
6. Salman Ahmed, Haroon Khan, Sajad Fakhri, Michael Aschner, Wai San Cheang. Therapeutic potential of marine peptides in cervical and ovarian cancers. Molecular and Cellular Biochemistry, 477(2): 605 – 619, 2022. (IF= 3.842)
7. Syed Waleed Ahmed Bokhari, Hina Sharif, Syed Muhammad Umer Gilani, Syed Tahir Ali, Salman Ahmed, Maaz Uddin Ahmed Siddiqui and Muhammad



Mohtasheemul Hasan. Pharmacognostic and phytochemical study of the flowers of *Cordia sebestena* L. Pakistan Journal of Pharmaceutical Sciences, 35(1): 069-076, 2022. (IF = 0.863)

Publications (Research papers) - 2021

8. **Salman Ahmed**, Haroon Khan, Hamed Mirzaei, Muhammad Mohtasheemul Hasan, Mohamed Eddouks and Maria Daglia. Herbal drug interaction: Mechanistic details through the pharmacokinetic portfolio. CNS & Neurological Disorders - Drug Targets, 20(8): 677 – 686, 2021. (IF = 2.824)
9. Syed Muhammad Umer Gilani, Rifat Roshan, **Salman Ahmed**, Muhammad Mohtasheem Hasan. Antitussive effect of aerial parts of *Caesalpinia pulcherrima* L. by sulfur dioxide induced cough in rats. RADS Journal of Pharmacy and Pharmaceutical Sciences, Pakistan 9(2): 109-112, 2021.
10. **Salman Ahmed**, Muhammad Mohtasheemul Hasan, Michael Aschner, Hamed Mirzaei, Waqas Alam, Syed Muhammad Mukarram Shah and Haroon Khan. Therapeutic potential of marine peptides in glioblastoma: Mechanistic insights. Cellular Signalling, 87: 110142, 2021. (IF = 4.850)
11. **Salman Ahmed**, Hamed Mirzaei, Michael Aschner, Ajmal Khan, Ahmed Al-Harrasi and Haroon Khan. Marine peptides in breast cancer: Therapeutic and mechanistic understanding. Biomedicine & Pharmacotherapy, 142: 112038, 2021. (IF = 7.419)
12. Nimra Mazhar, Sadia Ghouseia Baig , **Salman Ahmed**, Muhammad Mohtasheemul Hasan, Amber Palla and Ghazala Ishrat. Analgesic and anti-inflammatory potential of four varieties of bell pepper (*Capsicum annum* L.) in rodents. Pakistan Journal of Pharmaceutical Sciences, 34(4):1369-1376, 2021. (IF = 0.863)
13. Salma Sabir , Sadia Ghouseia Baig, Muhammad Mohtasheem ul Hasan , Afshan Siddiq , **Salman Ahmed** and Syeda Anum Fatima. The anti-depressant activity of fixed oil of *Phaseolus vulgaris* Linn. in mice. Pakistan Journal of Scientific and Industrial Research Series A: Physical Sciences 64(1):1-5, 2021. **(Category- Y journal)**
14. Memon Fatima, **Salman Ahmed**, Maaz Uddin Ahmed Siddiqui and Muhammad Mohtasheemul Hasan. Medicinal uses, phytochemistry and pharmacology of *Bauhinia racemosa* Lam. Journal of Pharmacognosy and Phytochemistry, India, 10 (2): 121-124, 2021.



15. Mehreen Zaheer, Anum Kalim, Maaz Uddin Ahmed Siddiqui and **Salman Ahmed**. *Vigna trilobata* (L.) Verdc: a review of medicinal uses, phytochemistry and pharmacology. *Journal of Pharmacognosy and Phytochemistry, India*, 10 (2): 118-120, 2021.
16. Anum Kalim, Mehreen Zaheer, Maaz Uddin Ahmed Siddiqui, **Salman Ahmed** and Muhammad Mohtasheemul Hasan. Nutritional value, Ethnomedicine, Phytochemistry and pharmacology of *Vigna radiata* (L.) R. Wilczek. *Journal of Pharmacognosy and Phytochemistry, India*, 10 (2): 54-58, 2021.
17. Rifat Roshan, **Salman Ahmed** and Muhammad Mohtasheemul Hasan. *Arenaria serpyllifolia* L.: A review of medicinal uses, phytochemistry and pharmacology. *World Journal of Pharmacy and Pharmaceutical Sciences, Bulgaria*, 10 (3):157-164, 2021.
18. **Salman Ahmed**, Mehreen Zaheer, Imran Ahsan Mallick and Muhammad Mohtasheemul Hasan. Choloretic and cholagogic effects of anti-cholelithiatic plants. *Journal of Pharmacognosy and Phytochemistry, India*, 10 (2): 01-07, 2021.
19. **Salman Ahmed**, Maaz Uddin Ahmed Siddiqui, Imran Ahsan Mallick and Muhammad Mohtasheemul Hasan. Zootherapeutics (Animal-based remedies) for urolithiasis: History, current scenario and future dimensions. *Journal of Pharmacognosy and Phytochemistry, India*, 10 (2): 08-11, 2021.

Publications (Research papers) - 2020

20. **Salman Ahmed**, Mehreen Zaheer and Muhammad Mohtasheemul Hassan. Gall stone dissolving plants: A concise review. *Journal of Pharmacognosy and Phytochemistry, India*, 9 (6): 36-40, 2020.
21. **Salman Ahmed**, Muhammad Mohtasheemul Hasan, Mojtaba Heydari, Abdur Rauf, Saud Bawazeer, Tareq Abu-Izneid, Maksim Rebezov, Mohammad Ali Shariati, Maria Daglia and Kannan RR. Rengasamy. Therapeutic potentials of crocin in medication of neurological disorders. *Food and Chemical Toxicology*, 145: 111739- DOI: <https://doi.org/10.1016/j.fct.2020.111739>, 2020. (IF = 6.023)
22. **Salman Ahmed**, Haroon Khan, Michael Aschner, Hamed Mirzae, Esra Küpeli Akkol and Raffaele Capasso. Anticancer Potential of Furanocoumarins: Mechanistic and Therapeutic Aspects. *International Journal of Molecular Sciences*, 21: 5622, 2020. (IF = 5.923)



23. Devina Lobine, **Salman Ahmed**, Michael Aschner, Haroon Khan, Hamed Mirzaei Mohamad F. Mahomoodally. Antiuro lithiatic effects of pentacyclic triterpenes: The distance traveled from therapeutic aspects. *Drug Development Research*, 81:671–684, 2020. (IF= 4.360)
24. **Salman Ahmed**, Arman Zargar. Contributions of Avicenna to Surgery and Anesthesiology. *Acta Chirurgica Belgica*, 120 (3): 204-211, 2020. (IF= 1.090)
25. Mehreen Zaheer, **Salman Ahmed** and Muhammad Mohtasheemul Hassan. A review of medicinal uses, phytochemistry and pharmacology of *Vigna mungo* (L.) Hepper. *Journal of Pharmacognosy and Phytochemistry, India*, 9 (1): 1307-1309, 2020.
26. Anum Kaleem, **Salman Ahmed** and Muhammad Mohtasheemul Hassan. *Vigna aconitifolia* (Jacq.) Marechal. (Papilionaceae): A review of medicinal uses, Phytochemistry and pharmacology. *Journal of Pharmacognosy and Phytochemistry, India*, 9 (1): 1353-1355, 2020.
27. Mehreen Zaheer, **Salman Ahmed** and Muhammad Mohtasheemul Hassan. *Vigna unguiculata* (L.) Walp. (Papilionaceae): A review of medicinal uses, Phytochemistry and pharmacology. *Journal of Pharmacognosy and Phytochemistry, India*, 9 (1): 1349-1352, 2020.

Publications (Research papers) - 2019

28. **Salman Ahmed**, Haroon Khan, Hamed Mirzaei. Mechanics insights of curcumin in myocardial ischemia: Where are we standing? *European Journal of Medicinal Chemistry*, 183 : 111658 - DOI: <https://doi.org/10.1016/j.ejmech.2019.111658> , 2019. (IF= 5.572)
29. **Salman Ahmed**, Haroon Khan, Michael Aschner, Muhammad Mohtasheemul Hasan, Sherif T.S.Hassan. Therapeutic potential of naringin in neurological disorders. *Food and Chemical Toxicology*, 132: 110646- DOI: <https://doi.org/10.1016/j.fct.2019.110646>, 2019. (IF = 4.679)
30. Rifat Roshan, **Salman Ahmed** and Muhammad Mohtasheemul Hasan. *Fragaria nubicola* (Rosaceae): A review of medicinal uses, phytochemistry and pharmacology, *India*, 8 (4): 3390-3393, 2019.
31. Syed Muhammad Umer Gilani, **Salman Ahmed**, Sadia Ghousia Baig and Muhammad Mohtasheemul Hasan. Ethnopharmacognosy, phytochemistry and pharmacology of genus *Caesalpinia*: A review. *Journal of Pharmacognosy and Phytochemistry, India*, 8 (4): 2222-2229, 2019.



32. **Salman Ahmed**, Haroon Khan, Deborah Fratantonio, Muhammad Mohtasheemul Hasan, Samin Sharifi, Nazanin Fathi, Hammad Ullah, Luca Rastrelli. Apoptosis induced by luteolin in breast cancer: Mechanistic and therapeutic perspectives. *Phytomedicine* 59: 152883 -DOI: <https://doi.org/10.1016/j.phymed.2019.152883> , 2019. (IF = 4.268)

Publications (Research papers) - 2018

33. **Salman Ahmed**, Muhammad Mohtasheem ul Hasan, Haroon Khan, Zafar Alam Mahmood and Seema Patel. The mechanistic insight of polyphenols in calcium oxalate urolithiasis mitigation. *Biomedicine & Pharmacotherapy*, 106: 1292-1299, 2018. (IF = 3.743).
34. Javed Ashraf, Sadia Ghouseia Baig, **Salman Ahmed**, Muhammad Mohtasheem ul Hasan. Analgesic, anti-inflammatory and diuretic activities of *Macrotyloma uniflorum* (Lam.) Verdc. *Pakistan Journal of Pharmaceutical Sciences*, 31(5): 1859-1863, 2018. (IF = 0.596)
35. Salma, Sadia Ghouseia Baig, Muhammad Mohtasheem ul Hasan, **Salman Ahmed**, Syeda Anum Fatima. Analgesic and anti-inflammatory effects of *Phaseolus vulgaris* L. fixed oil in rodents. *Journal of Basic and Applied Sciences*, Pakistan, 14 (1): 174-179, 2018.
36. Salma, Sadia Ghouseia Baig, Muhammad Mohtasheem ul Hasan, **Salman Ahmed**, Syeda Anum Fatima. The effect of *Phaseolus vulgaris* L. fixed oil on the behavioural activity of Swiss Albino mice. *RADS Journal of Pharmacy and Pharmaceutical Sciences*, Pakistan 6(1): 76-82, 2018.
37. Maryam Anis, Afshan Yasmeen, Sadia Ghouseia Baig, **Salman Ahmed**, Munawwar Rasheed and Muhammad Mohtasheemul Hasan. Phycochemical and pharmacological studies on *Ulva fasciata* Delile. *Pakistan Journal of Pharmaceutical Sciences*, 31(3): 875-883, 2018. (IF = 0.596)
38. Syeda Anum Fatima, Sadia Ghouseia Baig, Muhammad Mohtasheem ul Hasan, **Salman Ahmed** and Salma. Analgesic and anti-inflammatory activities of fixed oil of *Macrotyloma uniflorum* (Lam.) Verdc. in mice and rats. *Pakistan Journal of Pharmaceutical Sciences*, 31(2): 581-585, 2018. (IF = 0.596)
39. Darakhshan Masroor, Sadia Ghouseia Baig, **Salman Ahmed**, Syed Muzzammil Ahmad and Muhammad Mohtasheem ul Hasan. Analgesic, anti-inflammatory and diuretic activities of *Cicer arietinum* L. *Pakistan Journal of Pharmaceutical Sciences*, 31(2): 553-558, 2018. (IF = 0.596)

**Publications (Research papers) - 2017**

40. Rifat Roshan, **Salman Ahmed** and Muhammad Mohtasheemul Hasan. *Arisaema jacquemontii* Blume (Araceae): A review of medicinal uses, phytochemistry and pharmacology. *Journal of Pharmacognosy and Phytochemistry, India*, 6 (6): 429-432, 2017.
41. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. Growth patterns of monosodium urate monohydrate (gouty and urinary) crystals in gel : An *in vitro* study. *Pakistan Journal of Pharmaceutical Sciences*, 30(6): 2101-2108, 2017. (IF = 0.804)
42. **Salman Ahmed**, Imran Ahsan Mallick and Muhammad Mohtasheemul Hasan. Exploring globally used antiurolithiatic plants of A to L families: Asteraceae, Fabaceae and Lamiaceae revisited. *Journal of Pharmacognosy and Phytochemistry, India*, 6 (5): 1780-1787, 2017.
43. **Salman Ahmed** and Muhammad Mohtasheemul Hasan. Exploring globally used antiurolithiatic plants of M to R families: Including Myrtaceae, Phyllanthaceae, Piperaceae, Polygonaceae, Rubiaceae and Rutaceae. *Journal of Pharmacognosy and Phytochemistry, India*, 6 (5): 325-335, 2017.
44. **Salman Ahmed**, Saad Bin Zafar Mahmood, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. Essential minerals and phytic acid in legumes with reference to their nutritive and medicinal properties. *Pakistan Journal of Pharmaceutical Sciences*, 30(5): 1733-1742, 2017. (IF = 0.804)
45. **Salman Ahmed** and Muhammad Mohtasheemul Hasan. A comprehensive glimpse on globally used antiurolithiatic plants of Convolvulaceae, Costaceae, Ebenaceae, Fagaceae, Hypericaceae, Lauraceae, Liliaceae and Lythraceae. *World Journal of Pharmaceutical Research, Bulgaria*, 6 (8):224-233, 2017.
46. **Salman Ahmed** and Muhammad Mohtasheemul Hasan. Antiurolithiatic plants of Acanthaceae, Amaranthaceae, Amaryllidaceae, Anacardiaceae, Apocynaceae, Arecaceae, Asparagaceae, Aspleniaceae, Caesalpiniaceae, Capparidaceae, Caryophyllaceae, Chenopodiaceae, Cucurbitaceae, Cupressaceae, Ericaceae, Equisetaceae. *World Journal of Pharmacy and Pharmaceutical Sciences, Bulgaria*, 6 (8):156-182, 2017.
47. **Salman Ahmed** and Muhammad Mohtasheemul Hasan. A review on globally used antiurolithiatic monoherbal formulations belonging to Boraginaceae, Brassicaceae, Malvaceae and Poaceae families. *World Journal of Pharmacy and Pharmaceutical Sciences, Bulgaria*, 6 (8):48-61, 2017.



48. **Salman Ahmed** and Muhammad Mohtasheemul Hasan. Exploring globally used antiurolithiatic plants of S to Z families: Including Saxifragaceae, Scrophulariaceae, Solanaceae, Urticaceae, Vitaceae, Zingiberaceae and Zygophyllaceae. *Journal of Pharmacognosy and Phytochemistry, India*, 6 (4): 1430 -1436, 2017.
49. **Salman Ahmed**, Syed Muhammad Umer Gilani and Muhammad Mohtasheemul Hasan. Antiurolithiatic potential of globally used medicinal plants belonging to the family Rosaceae. *Journal of Pharmacognosy and Phytochemistry, India*, 6 (4): 1028-1031, 2017.
50. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. Phosphate type kidney stone (brushite) formation in gel: A morphological study on growth patterns to evaluate natural antiurolithiatic drugs. *Journal of Pharmaceutical and Scientific Innovation, India*, 6 (3): 64-68, 2017.
51. **Salman Ahmed**, Minhaj Shakoor Khatri and Muhammad Mohtasheemul Hasan. Plants of family Lamiaceae: A promising hand for new antiurolithiatic drug development. *World Journal of Pharmacy and Pharmaceutical Sciences, Bulgaria*, 6 (7): 90-96, 2017.
52. **Salman Ahmed**, Maaz Uddin Ahmed Siddiqui and Muhammad Mohtasheemul Hasan. Globally used antiurolithiatic plants of family Apiaceae. *World Journal of Pharmaceutical Research, Bulgaria*, 6 (7): 358-364, 2017.
53. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. Antiurolithiatic plants of family Fabaceae: A memoir of mechanism of action, therapeutic spectrum, formulations with doses. *Journal of Pharmacognosy and Phytochemistry, India*, 6 (3): 592-596, 2017.
54. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. Globally used antiurolithiatic plants of family Asteraceae: Historical background, mechanism of action, therapeutic spectrum, formulations with doses. *Journal of Pharmacognosy and Phytochemistry, India*, 6 (3): 394-402, 2017.
55. Maryam Anis, **Salman Ahmed** and Muhammad Mohtasheemul Hasan. Algae as nutrition, medicine and cosmetic: The forgotten history, present status and future trends. *World Journal of Pharmacy and Pharmaceutical Sciences, Bulgaria*, 6(6): 1934-1959, 2017.
56. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. Urolithiasis in gel: an *in vitro* approach for Whewellite growth patterns to evaluate risk factors and management of urinary stones. *Journal of Pharmacognosy and Phytochemistry, India*, 6(2): 87-91, 2017.



57. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. Urolithiasis in gel: Successful journey of an *in vitro* model from vision to reality. Journal of Pharmacognosy and Phytochemistry, India, 6(1): 102-108, 2017.

Publications (Research papers) - 2016

58. Alya Maimoona, Fareeha Iqbal, Qurat-Ul-Ain Syed and **Salman Ahmed**. Phytochemical analysis and anti-emetic activity of *Illicium verum* Hook. f. fruit by chick emesis model. Journal of Pharmacognosy and Phytochemistry, India, 5(6): 185-188, 2016.
59. Darakhshan Masroor, Rafi Akhtar Sultan, **Salman Ahmed** and Muhammad Mohtasheemul Hasan. Near infrared spectroscopy of *Cicer arietinum* L., seeds. Journal of Pharmacognosy and Phytochemistry, India, 5(6): 182-184, 2016.
60. Zainish M. Saleem, **Salman Ahmed** and Muhammad Mohtasheemul Hasan. *Phaseolus vulgaris* Linn: Botany, medicinal uses, phytochemistry and pharmacology. World Journal of Pharmaceutical Research, Bulgaria, 5(11):1611-1616, 2016.
61. Zainish M. Saleem, **Salman Ahmed** and Muhammad Mohtasheemul Hasan. *Phaseolus lunatus* Linn: Botany, medicinal uses, phytochemistry and pharmacology. World Journal of Pharmacy and Pharmaceutical Sciences, Bulgaria, 5(11):87-93, 2016.
62. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. Antirolithiatic plants: Formulations used in different countries and cultures. Pakistan Journal of Pharmaceutical Sciences, 29(6):2129-2139, 2016. (IF = 0.649)
63. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. Urolithiasis management and treatment: Exploring historical vistas of Greco-Arabic contribution. Journal of Pharmacognosy and Phytochemistry, India, 5(5): 167-178, 2016.
64. **Salman Ahmed** and Muhammad Mohtasheemul Hasan. Muslim heritage in medicine: A concise review on Greco-Arabic contribution. Journal of Pharmacognosy and Phytochemistry, India, 5(4): 273-283, 2016.
65. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. *Macrotyloma uniflorum* (Lam.) Verdc., *Phaseolus lunatus* Linn., and *Phaseolus vulgaris* Linn. seeds: Nature's potential candidates against urolithiasis by virtue of multidimensional pharmacology. World Journal of Pharmacy and Pharmaceutical Sciences, Bulgaria, 5(8):289-300, 2016.



66. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. *In vitro* urolithiasis models: An evaluation of prophylactic management against kidney stones. *Journal of Pharmacognosy and Phytochemistry, India*, 5(3): 28-35, 2016.
67. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. *In vitro* microscopic study of calcium oxalate monohydrate crystals growth patterns. *Journal of Pharmaceutical and Scientific Innovation, India*, 5(2): 69-73, 2016.
68. **Salman Ahmed**, Rafi Akhtar Sultan, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. Near infra red spectroscopic analysis of *Macrotyloma uniflorum* (Lam.) Verdc., *Phaseolus lunatus* Linn. and *Phaseolus vulgaris* Linn. *Journal of Pharmaceutical and Scientific Innovation, India*, 5(1):23-26, 2016.
69. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. Inhibition and modulation of calcium oxalate monohydrate crystals by phytic acid: An *in vitro* study. *Journal of Pharmacognosy and Phytochemistry, India*, 5(2): 91-95, 2016.
70. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. Antirolithiatic plants: Multidimensional pharmacology. *Journal of Pharmacognosy and Phytochemistry, India*, 5(2): 04-24, 2016.
71. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. *Macrotyloma uniflorum* (Lam.) Verdc. (Papilionaceae): a review of medicinal uses, phytochemistry and pharmacology. *World Journal of Pharmacy and Pharmaceutical Sciences, Bulgaria*, 5(2):51-62, 2016.
72. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. Inhibition of calcium oxalate crystals growth by *Macrotyloma uniflorum* (Lam.) Verdc, *Phaseolus lunatus* Linn, and *Phaseolus vulgaris* Linn: An *in vitro* study. *Journal of Pharmacognosy and Phytochemistry, India*, 5(1): 124-130, 2016.
73. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. Antirolithiatic plants in different countries and cultures. *Journal of Pharmacognosy and Phytochemistry, India*, 5(1): 102-115, 2016.
74. **Salman Ahmed** and Muhammad Mohtasheemul Hasan. Importance of Herbaria in herbal drug discovery. *World Journal of Pharmaceutical Sciences, India*,4(1):127-129, 2016.
75. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. *In vitro* microscopic study of calcium hydrogen phosphate dihydrate crystals growth patterns. *World Journal of Pharmaceutical Sciences, India*,4(1): 64-67, 2016.

**Publications (Research papers) - 2015**

76. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. *In vitro* microscopic study of mono sodium urate monohydrate crystals growth pattern. Journal of Pharmaceutical and Scientific Innovation, India, 4(6): 295-297, 2015.
77. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. Basic composition and caloric contents of *Macrotyloma uniflorum* (Lam.) Verdc., *Phaseolus lunatus* Linn., and *Phaseolus vulgaris* Linn., legume flours. PHARMANEST - An International Journal of Advances in Pharmaceutical Sciences, India,6(5):2984-2987, 2015.
78. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. Total, insoluble and soluble dietary fiber contents of *Macrotyloma uniflorum* (Lam.) Verdc., *Phaseolus lunatus* Linn., and *Phaseolus vulgaris* Linn., legume flours. World Journal of Pharmacy and Pharmaceutical Sciences, Bulgaria, 4(11):23-30, 2015.
79. **Salman Ahmed** and Muhammad Mohtasheemul Hasan. Crude drug adulteration: A concise review. World Journal of Pharmacy and Pharmaceutical Sciences, Bulgaria, 4(10):274-283, 2015.
80. **Salman Ahmed** and Muhammad Mohtasheemul Hasan. Standardization of crude drugs: A precise review. World Journal of Pharmaceutical Research, Bulgaria, 4(10):155-174, 2015.
81. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Zafar Alam Mahmood. Estimation of oxalate contents in *Macrotyloma uniflorum* (Lam.) Verdc., *Phaseolus lunatus* Linn., and *Phaseolus vulgaris* Linn. World Journal of Pharmaceutical Research, Bulgaria, 4(10):242-249, 2015.
82. Muhammad Sohail Anwer, Sumbul Shamim, **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Iqbal Azhar. Hypotensive activity of *Melilotus officinalis* (L.) Pallas. European Journal of Medicine. Series B, Russian Federation,3(2):80-85,2015.
83. Muhammad Ashraf and **Salman Ahmed**. Antifungal activity of *Hypnea pannosa* J. AGARDH against *Aspergillus flavus*. International Journal of Phycology and Phycochemistry, Pakistan, 11(1):1-4, 2015.
84. Farhana Tasleem, **Salman Ahmed** and Iqbal Azhar. Antiemetic activity of bergerin from *Peltophorum roxburghii* L. Indo American Journal of Pharmaceutical Research, India, 5(2): 760-764, 2015.

**Publications (Research papers) - 2014**

85. Misbah Zubair, Syed Waseemuddin Ahmed, **Salman Ahmed**, M. Shaiq Ali and Patricia Akpomedaye Onocha. Analgesic and antiemetic activities of *Ficus exasperata* Vahl., and *Cleome ciliata* Schmach and Thonn. World Journal of Pharmaceutical Research, Bulgaria, 3(6):1945-1956 , 2014.
86. **Salman Ahmed**, Muhammad Mohtasheemul Hasan and Syed Waseemuddin Ahmed. Natural antiemetics: An overview. Pakistan Journal of Pharmaceutical Sciences. 27(5) (Special Issue): 1583-1598, 2014. (IF = 0.682)
87. **Salman Ahmed** and Muhammad Mohtasheemul Hasan. Legumes: an overview. RADS- Journal of Pharmacy and Pharmaceutical Sciences, Pakistan, 2(1):34-38 , 2014.

Publications (Research papers) - 2013

88. Muhammad Ashraf and **Salman Ahmed**. Antifungal activity of *Hypnea pannosa* J. AGARDH. International Journal of Phycology and Phycochemistry, Pakistan, 9(1):53-56 , 2013.
89. Kanwal Waseem Khan, Syed Waseemuddin Ahmed and **Salman Ahmed**. Analgesic activity of leaves, flowers and fruit peel of *Luffa cylindrica* (L.) ROEM. Pharmanest - An International Journal of Advances in Pharmaceutical Sciences, India, 4(6):1401-1408 , 2013.
90. Kanwal Waseem Khan, Syed Waseemuddin Ahmed, **Salman Ahmed** and Mohammad Mohtasheemul Hasan. Anti-emetic and anti-inflammatory activity of fruit peel of *Luffa cylindrica* (L.) ROEM. Asian Journal of Natural & Applied Sciences, Japan, 2(2):75-80 , 2013.
91. **Salman Ahmed** and Patricia Akpomedaye Onocha. Antiemetic activity of *Tithonia diversifolia* (HEMSL.) A. Gray leaves in copper sulfate induced chick emesis model. American Journal of Phytomedicine and Clinical Therapeutics. Florida, U.S.A., 1(9): 734-739 , 2013.
92. **Salman Ahmed** and Patricia Akpomedaye Onocha. Anti-emetic activity of root extract of *Acalypha ornata* Hochst. Pharmanest - An International Journal of Advances in Pharmaceutical Sciences, India, 4(3):448-452 , 2013.
93. **Salman Ahmed**, Muhammad Mohtasheemul Hasan, Syed Waseemuddin Ahmed, Zafar Alam Mahmood, Iqbal Azhar and Solomon Habtemariam. Anti-emetic effects of bioactive natural products. Phytopharmacology - International Journal of Phytotherapeutics & Bioactive Natural Products, U.K. 4(2): 390-433 , 2013.



94. Muhammad Nadeem Ahmed and **Salman Ahmed**. Anti-emetic activity of *Cleome brachycarpa* Vahl., and *Cleome viscosa* L., (leaves) in chicks. *Universal Journal of Pharmacy, India*, 2(1): 96-99, 2013.
95. Syed Muzammil Ahmed, Farhana Tasleem and **Salman Ahmed**. Analgesic activity of leaves extracts of *Samanea saman* Merr., and *Prosopis cineraria* Druce. *International Research Journal of Pharmacy, India*, 4(1):93-95, 2013.
96. Kanwal Waseem Khan, Syed Waseemuddin Ahmed, **Salman Ahmed** and Mohammad Mohtasheemul Hasan. Antiemetic and Anti-inflammatory activity of leaves and flower extracts of *Luffa cylindrica* (L.) Roem. *The Journal of Ethnobiology and Traditional Medicine, Photon*, 118:258-263, 2013.
97. Najma Shaheen, **Salman Ahmed**, Iqbal Azhar, Muhammad Mohtasheemul Hasan. Analgesic, anti-inflammatory and antiemetic activities of *Cleome scaposa* DC. *Phytopharmacology - International Journal of Phytotherapeutics & Bioactive Natural Products, UK*, 4(1):106-113, 2013.

Publications (Research papers) - 2012

98. **Salman Ahmed**, Muhammad Mohtasheem-ul-Hasan, M. Shaiq Ali and Iqbal Azhar. Antiemetic activity of *Iyengaria stellata* and *Valoniopsis pachynema* in chicks. *International Journal of Phycology and Phycochemistry, Pakistan*, 8(2): 127-132, 2012.
99. Rafi Akhtar Sultan, Zafar Alam Mahmood, Iqbal Azhar, Muhammad Mohtasheem ul Hasan, **Salman Ahmed**. Pharmacognostic and preliminary phytochemical investigation of aerial parts of *Centella asiatica* Linn. *International Journal of Phytomedicine, India*, 4(1): 125-133, 2012.
100. Tehseen Quds, **Salman Ahmed**, Muhammad Shaiq Ali, Patricia Akpomedaye Onocha, Iqbal Azhar. Antiemetic activity of *Acalypha fimbriata* Schumach. & Thonn., *Acalypha ornata* Hochst., and *Acalypha wilkesiana* cv. *godseffiana* Muell Arg. *Phytopharmacology - International Journal of Phytotherapeutics & Bioactive Natural Products, UK*, 3(2): 335-340, 2012.
101. **Salman Ahmed**, Affan Zahid, Safia Abidi and Sadia Meer. Anti-emetic activity of four species of genus *Cassia* in chicks. *IOSR Journal of Pharmacy, India*, 2(3): 380-384, 2012.
102. Zafar Alam Mahmood, **Salman Ahmed**, Syed Waseemuddin Ahmed and Muhammad Mohtasheemul Hasan. Insecticidal activity of *Castanospermum australe* against stored grain pest *Callobruchus analis*. *IOSR Journal of Pharmacy, India*, 2(2):189-191, 2012.



103. **Salman Ahmed**, Toseef Sabzwari, Muhammad Mohtasheemul Hasan and Iqbal Azhar. Antiemetic activity of leaves extracts of five Leguminous plants. International Journal of Research in Ayurveda and Pharmacy, India, 3(2):251-253, 3(2):251-253 , 2012.
104. Syed Muzammil Ahmed, **Salman Ahmed**, Farhana Tasleem, Muhammad Mohtasheemul Hasan and Iqbal Azhar. Acute systemic toxicity of four Mimosaceous plants leaves in mice. IOSR Journal of Pharmacy, India, 2(2): 291-295 , 2012.
105. Muhammad Mohtasheemul Hasan, Iqbal Azhar, S. Muzammil, **Salman Ahmed** and Syed Waseemuddin Ahmed. Anti-emetic activity of some Leguminous plants. Pakistan Journal of Botany, 44(1):389-391 , 2012. (IF = 0.872)
106. Muhammad Mohtasheemul Hasan, **Salman Ahmed**, Ziauddin Ahmed and Iqbal Azhar. Antiemetic activity of some aromatic plants. Journal of Pharmaceutical and Scientific Innovation, India, 1(1):47-49 , 2012.

Publications (Research papers) - 2011

107. **Salman Ahmed**, Burhan Qureshi, Muhammad Mohtasheemul Hasan, Syed Waseemuddin Ahmed and Iqbal Azhar. Toxicity assessment of *Mucuna pruriens* Linn seeds. International Research Journal of Pharmacy, India, 2(11):133-135 , 2011.
108. **Salman Ahmed**, Munnawar Sultana, Muhammad Mohtasheem UI Hasan and Iqbal Azhar. Analgesic and Antiemetic Activity of *Cleome Viscosa* L. Pakistan Journal of Botany, 43 (SI): 119-122 ,2011. (IF = 0.836)

