

## **MUHAMMAD MOHTASHEEM UL HASAN**

Department of Pharmacognosy  
Faculty of Pharmacy and Pharmaceutical Sciences  
University of Karachi, Karachi - 75270, Pakistan  
99261300 – 15 Ext. 2202  
mohassan@uok.edu.pk  
[https://www.researchgate.net/profile/Mohtasheem\\_Hasan2](https://www.researchgate.net/profile/Mohtasheem_Hasan2)

### **ACADEMIC QUALIFICATIONS**

- Ph. D. Department of Pharmacognosy, University of Karachi, 2009.
- M. Phil. Department of Pharmacognosy, University of Karachi, 2000.
- B. Pharm. Faculty of Pharmacy, University of Karachi, 1993 with CGPR 3.298.
- H.S.C Government College for Men, Naziamabad, Karachi with Grade-B.
- S. S. C Government Boys Secondary School, Nazimabad Karachi, with Grade- A.

### **PROFESSIONAL EXPERIENCE**

1. Associate Professor, Department of Pharmacognosy, Faculty of Pharmacy and Pharmaceutical Sciences, University of Karachi, from May 19, 2011 to date.
2. Chairman, Department of Pharmacognosy from 26th March 2018 to 25<sup>th</sup> March 2021.
3. Chairman, Department of Pharmacognosy from 25th March 2015 to 24th March 2018.
4. Assistant Professor, Department of Pharmacognosy, Faculty of Pharmacy and Pharmaceutical Sciences, University of Karachi, from March 17 , 2009 to May 18, 2011.
5. Lecturer, Department of Pharmacognosy, Faculty of Pharmacy and Pharmaceutical Sciences, University of Karachi from February 10, 2006 to March 16 , 2009.
6. Visiting lecturer of Pharmacognosy in Faculty of Pharmacy, Hamdard University, Karachi from April 12, 2005 to January 31, 2006.
7. Research Associate, Hamdard Institute of Advanced Studies and Research (Bait -al- Hikmah Research Institute) Hamdard University, Karachi from September 16, 1999 to February 13, 2006.
8. Quality Assurance Officer, B. Braun Pakistan (Pvt) Ltd. from March 08, 1999 to May 31, 1999.

9. Analyst in ARDIN Pharmaceutical (Pvt) Ltd. Karachi, from March 22, 1997 to March 06, 1999.
10. Trainee Pharmacist in W. Woodward Pakistan (Pvt) Ltd. Karachi from April 03, 1994 to June 26, 1994.

## **PROFESSIONAL STATUS**

- Registered Pharmacist, Pharmacy Council of Sindh, Pakistan (Register A) Registration No., 1600.

## **MEMBERSHIP**

1. Life member, The Chemical Society of Pakistan (Membership No. S0261).
2. Life member, Pakistan Botanical Society (PBS), Pakistan.
3. Life-Fellow, Zoological Society of Pakistan (ZSP # 81).
4. Global Outreach Member, American Society for Microbiology, Washington, D.C.
5. Karachi University Pharmacy Alumni, Karachi, Pakistan (KUPA-93002).

## **ADMINISTRATIVE RESPONSIBILITIES**

1. Member DRC, Department of Pharmacy Practice, Faculty of Pharmacy and Pharmaceutical Sciences, University of Karachi since May 2021 to date.
2. Member Senate, University of Karachi from March 25, 2015 to March 24, 2021 as being Chairman of the department.
3. Member Academic Council, University of Karachi from March 25, 2015 to March 24, 2021 as being Chairman of the department.
4. Member Board of Faculty, Faculty of Pharmacy and Pharmaceutical Sciences, University of Karachi from February 2006 to date.
5. Member Board of Studies, Department of Pharmacognosy, Faculty of Pharmacy and Pharmaceutical Sciences, University of Karachi from February 2006 to date.
6. Member Selection Committee for the appointment of Clinical Coordinator in Faculty of Pharmacy and Pharmaceutical Sciences from February 16, 2016 to date.

7. Member Institutional Scholarship Award Committee (ISAC), University of Karachi from September 2016 to date.
8. Member Preliminary Editorial Committee of Pakistan Journal of Pharmaceutical Sciences (PJPS) from January 2019 to date.
9. Co-patron of Pharmacy Literary Club, Faculty of Pharmacy and Pharmaceutical Sciences, University of Karachi from March 21, 2014 to December 2018.
10. Internal Tabulator in Semester Examination Section, University of Karachi, from August 2008 to March 2015.
11. Member Special Vigilance Committee (Examinations), University of Karachi for the year 2012-2013.
12. Member Committee for GAT- Subject (Pharmacy) test, Jinnah University for Women, Karachi for the year 2016.
13. Member Class Room Maintenance Committee, Faculty of Pharmacy and Pharmaceutical Sciences, University of Karachi from August 16, 2007 to July, 2009.
14. Incharge Garden Committee, Faculty of Pharmacy and Pharmaceutical Sciences, University of Karachi from August 16, 2007 to July, 2009.
15. Member Organizing Committee of First one day seminar on “Herbs, Medicine and Therapeutics” March 29, 1997, jointly organized by Pakistan Society of Pharmacognosy and Department of Pharmacognosy , Faculty of Pharmacy , University of Karachi.

## **MEMBER BOARD OF STUDIES**

1. Member Board of Studies, Department of Pharmacognosy, University of Sindh, Jamshoro from April 2019 to date.
2. Member Board of Studies, Department of Pharmacognosy, Institute of Pharmaceutical Sciences, Jinnah Sindh Medical University, Karachi from January 2019 to date.
3. Member Board of Studies, Department of Pharmacognosy, Faculty of Pharmacy, Hamdard University, Karachi from December 28, 2018 to date.
4. Member Board of Studies, Department of Pharmacognosy, Faculty of Pharmacy, Nazeer Hussain University, Karachi from January 2018 to date.
5. Member Board of Studies, Department of Pharmacognosy, Faculty of Pharmacy, Jinnah University for Women, Karachi from December 19, 2017 to date.

6. Member Board of Studies, Department of Pharmacognosy, Dow College of Pharmacy, Dow University of Health Sciences, Karachi from July 29, 2017 to date.
7. Member Board of Studies, Department of Pharmacognosy, Faculty of Pharmacy, Ziauddin University, Karachi from January 2016 to December 2018.

### **EXTERNAL EXAMINER (Post graduate)**

- M.Phil., thesis evaluation from Faculty of Eastern Medicine, Hamdard University, Karachi (2016).
- Ph.D, viva voce examiner, Department of Pharmacognosy, Faculty of Pharmacy, Baqai University (2021).

### **EXTERNAL EXAMINER (Under graduate)**

1. Department of Pharmacognosy, Jinnah University for Women, Karachi from October 2018 to date.
2. Department of Pharmacognosy, Nazeer Hussain University, Karachi from June 2017 to date.
3. Department of Pharmacognosy, College of Pharmacy, Ziauddin University, Karachi from January 2017 to date.
4. Department of Pharmacognosy, Institute of Pharmaceutical Sciences, Jinnah Sindh Medical University, Karachi from 2015 to date.
5. Department of Pharmacognosy, Dow college of Pharmacy, Dow University of Health Sciences, Karachi from 2009 to date.
6. Department of Pharmacognosy, Jinnah Medical and Dental College, Karachi from 2009 to 2011.
7. Judge for poster presentation (under graduate) – Jinnah University for Women, 2022.
8. Judge for poster presentation (under graduate) – Jinnah Sindh Medical University, 2022.

## REVIEWER OF RESEARCH JOURNALS

- Pakistan Journal of Pharmaceutical Sciences (PJPS) from January 2010 to date.

## RESEARCH GRANTS

S. No.	Title	Dean's Research Grant No.	Funding agency / University	Amount (PKR)	Year
1.	Phytochemical analysis of <i>Cicer arietinum</i> L. and its effects on digestive enzymes.	DRG - 05159986	Dean's Research Grant, University of Karachi	200,000 /=	2018
2.	Chemical and pharmacological studies on <i>Cicer arietinum</i> Linn.	DRG - 65570200		310,000 /=	2016
3.	Biological studies on <i>Phaseolus lunatus</i> Linn.	DRG - 4503917		360,000 /=	2014
4.	Comparative biological studies on <i>Macrotyloma uniflorum</i> (Lam.) Verdc., and <i>Phaseolus vulgaris</i> Linn.	DRG - 0852470		218,000 /=	2013
5.	Scientific evaluation of some traditional plants having diuretic activity.	DRG - 2654865		156,250 /=	2008

## RESEARCH STUDENTS SUPERVISED

Ph.D.	Student Name	Thesis Title	Status
1.	Muhammad Imran Aziz	Investigation on essential oils for potential anti Qurum sensing and inhibition of biofilm produced by red complex periodontal bacteria isolated from diabetic patients	In process
2.	Erum Shah	Formulation and Evaluation of polyherbal hair oil for hair problems	In process
3.	Madiha Jamshed	Influence of <i>Cinnamomum zeylanicum</i> L. and <i>Illicium verum</i> Hook F. on digestive enzymes.	In process
4.	Syeda Tayyaba Asif	Influence of <i>Piper nigrum</i> L. and <i>Syzygium aromaticum</i> on digestive enzymes.	In process
5.	Maryam Anis	Formulation, characterization and design of poly herbal topical preparations to ascertain anti-arthritic and anti-inflammatory activity through <i>in-vitro</i> and <i>in-vivo</i> approaches.	In process
6.	Maaz Uddin	Physicochemical characterization and design of	In process

	Ahmed Siddiqui	polyherbal formulation to ascertain antidiabetic activity through <i>in vitro</i> as well as <i>in vivo</i> approaches.	
7.	Syed Muhammad Umer Gilani	Phytochemical and Pharmacological studies on <i>Caesalpinia pulcherrima</i> L.	In process
8.	Rifat Roshan	Phytochemical and Pharmacological studies on <i>Arenaria serpyllifolia</i> L., <i>Fragaria nubicola</i> (Hook.f) L. and <i>Hackelia uncinata</i> ( Royle ex Benth.).	In process
9.	Syed Farhan Abbas Naqvi	Comparative study of the effectiveness of Allopathic, Homeopathic and Herbal medicines in the treatment of osteoarthritis.	In process
10.	Asad Saleem Sial	Pharmacognostic, phytochemical, biological and nutritional investigations of <i>Solanum melongena</i> L.	In process
11.	Muhammad Younus	Pharmacognostic and pharmacological studies on <i>Euphorbia nivula</i> Buch-Ham.	Degree awarded 2022
12.	Salman Ahmed	<i>In vitro</i> antiurolithiatic activity in Genus <i>Macrotyloma</i> and <i>Phaseolus</i> .	Degree awarded 2019
<b>M.Phil.</b>			
1.	Shahnaila Jamil	Study on awareness of Breast care and role of natural products.	In process
2.	Sahar Saleem	Comparative chemical study on Apiaceae plants traditionally used as diuretics.	In process
3.	Farkhanda Kokab	Chemical analysis and pharmacological activity on <i>Cyperus rotundus</i> L. and <i>Elettaria cardamomum</i> (L.) Maton. traditionally used in dyspepsia.	In process
4.	Rubab Kiran	Phytochemical and biological studies on plants traditionally used in stomach cramps.	Degree awarded 2022
5.	Saman Khan	Comparative phytochemical study on plants used as blood purifier in Unani herbal formulations.	Degree awarded 2022
6.	Asma Noor	Chemical analysis and pharmacological activity of plants traditionally used in diarrhea.	Degree awarded 2022
7.	Hira Ahmed	Chemical analysis and <i>in vitro</i> antiurolithiatic effect of plants used in kidney stone.	Degree awarded 2021
8.	Syed Waleed Ahmed Bokhari	Pharmacognostic and phytochemical studies on the flowers of <i>Cordia sebestina</i> L.	Degree awarded 2021
9.	Saira Faraz Shah	Chemical and pharmacological studies on <i>Silybum marianum</i> (L.) Gartn.	Degree awarded 2021
10.	Memona Fatima	Chemical and pharmacological studies on <i>Bauhinia racemosa</i> Lam.	Degree awarded, 2020
11.	Anum Kalim	Phytochemical analysis of <i>Cicer arietinum</i> L. and its effect on digestive enzymes.	Degree awarded, 2019
12.	Mehreen Zaheer	Phytochemical analysis of <i>Phaseolus lunatus</i> L. and its effect on digestive enzymes.	Degree awarded, 2019
13.	Rifat Roshan	Chemical and pharmacological studies on	Degree

		<i>Arenaria serpyllifolia</i> L. and <i>Fragaria nubicola</i> (Hoof. F.) L.	awarded, 2019
14.	Syed Muhammad Umer Gilani	Phytochemical and pharmacological studies on aerial parts of <i>Caesalpinia pulcherrima</i> L.	Degree awarded 2019
15.	Maaz uddin Ahmed	Effect of <i>Macrotyloma uniflorum</i> (Lam.) Verdc. on urolithiasis: an <i>in vitro</i> study.	Degree awarded, 2018
16.	Nimrah Mazhar	Comparative pharmacological activities on different varieties of <i>Capsicum annum</i> L. available in Pakistan.	Degree awarded, 2018
17.	Darakhshan Masroor	Chemical and pharmacological studies on <i>Cicer arietinum</i> Linn.	Degree awarded, 2017
18.	Zainish M. Saleem	Comparative pharmacological studies on <i>Phaseolus</i> species.	Degree awarded, 2017
19.	Maryam Anis	Chemical and pharmacological studies on <i>Ulva fasciata</i> Delile.	Degree awarded, 2017
20.	Javed Ashraf	Biological studies on <i>Macrotyloma uniflorum</i> and <i>Phaseolus vulgaris</i> .	Degree awarded, 2014
21.	Salman Ahmed	Chemical and biological studies on some species of genus <i>Cordia</i> .	Degree awarded, 2010

## AWARDS AND HONORS

- Best Employee Award, from Bait al-Hikmah Research Institute, Hamdard University, Karachi for the year 2001.

## PARTICIPATION

### POSTER PRESENTATION (17)

1. Nimra Mazhar, Sadia Ghousia 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 antiuric and anti-gout drugs. 5<sup>th</sup> 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<sup>(PBUH)</sup> 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. 9<sup>th</sup> 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 Muhammad 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 and 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. 14<sup>th</sup> 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. 2<sup>nd</sup> 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, **Muhammad 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. Organized by Faculty of Eastern Medicine, Hamdard University, Karachi- 74600, Pakistan.
12. Najma Shaheen, Salman Ahmed, Iqbal Azhar and **Muhammad Mohtasheemul Hasan**. Analgesic activity on two *Cleome* species. 10<sup>th</sup> International and 22<sup>nd</sup> National Chemistry Conference, November 21-23, 2011. Organized by Department of Chemistry and Biochemistry, University of Agriculture, Faisalabad-Pakistan.
13. Kanwal Waseem, Salman Ahmed, **Muhammad 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. Organized by Department of Biochemistry, University of Karachi.
14. Kanwal Waseem, **Muhammad Mohtasheemul Hasan**, Salman Ahmed, Syed Waseemuddin Ahmed and Iqbal Azhar. Anti-inflammatory activity of *Luffa cylindrica*. 1<sup>st</sup> 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, **Muhammad Mohtasheemul Hasan** and Syed Waseemuddin Ahmed. "Anti-Emetic Activity of Six Aromatic Medicinal Plants by Using Chick Emetic Model". 1<sup>st</sup> International Symposium on Nanomedicine: Past, Present & Future Prospects, December 22-23, 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. I. Azhar, **Muhammad Mohtasheemul Hasan**, Salman Ahmed, Affan Zahid and Rabail Zahid. “Anti-Emetic Activity of Some Aromatic Medicinal Plants”. 12<sup>th</sup> International Symposium on Natural Product Chemistry, November 22 – 25, 2010, Karachi. Organized by H. E. J. Research Institute of Chemistry, University of Karachi, Karachi.
17. S. Arifa , **Muhammad Mohtasheemul Hasan**, M. A. Azeem and Syed Waseemuddin Ahmed. “Mechanical Response of Isolated Mammalian Intestine to Crude Extract of *Cordia myxa*. First one day seminar on “Herbs, Medicine and Therapeutics” March 29, 1997. Organised by Pakistan Society of Pharmacognosy and Department of Pharmacognosy, Faculty of Pharmacy, University of Karachi.

#### **COURSES (04)**

1. “Course on laboratory management”, October 18<sup>th</sup>, 2017. Jointly organized by Department of Chemistry, University of Karachi, Office of Research Innovation and Commercialization, University of Karachi and Valour International.
2. “Course on Research Communication Skills Development”, September 2-3, 2014 Karachi. Organized by Office of Research, Innovation and Commercialization (ORIC), University of Karachi.
3. Staff Development course on May 29 – June 24, 2006. Organized by National Academy of Higher Education and HEC Pakistan, held at Department of Physiology , University of Karachi.
4. Course of “Teaching and Research Skills Development” on May 6 - 8, 2006. Organized by Quality Enhancement Cell, University of Karachi.

#### **WORKSHOPS (11)**

1. NASIC workshop on Modern Spectroscopic Techniques and their applications in structure determination, held on December 1-3, 2014. 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.
2. Workshop on “Self Assessment Report” at Arts Auditorium on September 03, 2012. Organized by Quality Enhancement Cell, University of Karachi.
3. “Workshop on Bioethics” at Research Institute of Pharmaceutical Sciences, on February 23, 2012. Organized by, Faculty of Pharmacy, University of Karachi.

4. "Training of trainers workshop" at Research Institute of Pharmaceutical Sciences, on June 13-14, 2011. Organized by Department of Pharmacognosy , Faculty of Pharmacy , University of Karachi.
5. Workshop on "Written Communication" at the center for Executive Education, on January 28-29, 2011. Organized by Institute of Business Administration, Karachi.
6. 2<sup>nd</sup> 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.
7. Workshop on "Leadership Derailment Demystified®" on April 3, 2010. Organized by Faculty of Pharmacy, University of Karachi and Mursadnia Inc.
8. Workshop on "Pharmaceutical Regulatory Challenges and Compliance" on February 25, 2010. Organized by Faculty of Pharmacy, University of Karachi.
9. Workshop on Experimental Physiology on May 5 - 6, 2006. Organized by Department of Physiology, University of Karachi. Sponsored by HEC Pakistan and AD Instruments.
10. Workshop on "Research Methodology and Synopsis Writing" on September 24 - 25 , 2002. Organized by Hamdard Institute of Advanced Studies and Research, Hamdard University , Karachi.
11. National workshop on "Integration of Traditional Medicine into Primary Health Care" December 22-24, 2001. Organized by National Institute of Health , Islamabad and Faculty of Eastern Medicine, Hamdard University, Karachi.

### **SYMPOSIUMS (13)**

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. 7<sup>th</sup> 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. 14<sup>th</sup> 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. 2<sup>nd</sup> 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. 6<sup>th</sup> 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. 3<sup>rd</sup> Symposium on Bioanalytical and Bioequivalence Studies, 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”, November 18, 2014, Karachi. Organized by Phytopharmacology and Biotechnology Research Laboratory, Department of Biochemistry, University of Karachi.
8. 14<sup>th</sup> Asian Symposium on Medicinal Plants, Spices and other natural Products (ASOMPS-XIV), December 09-12, 2013, Karachi. Organized by International Center for Chemical and Biological Sciences, Karachi.
9. 13<sup>th</sup> International Symposium on Natural Product Chemistry, September 22 – 25, 2012, Karachi. Organized by H. E. J. Research Institute of Chemistry, University of Karachi, Karachi.
10. 1<sup>st</sup> International Symposium on Nanomedicine: Past, Present & Future Prospects, 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.
11. 12<sup>th</sup> International Symposium on Natural Product Chemistry, November 22 – 25, 2010, Karachi. Organized by H. E. J. Research Institute of Chemistry, University of Karachi, Karachi.
12. Symposium on “Hospital Pharmacy Practice” on November 17, 2009. Organized by Ziauddin College of Pharmacy in collaboration with Society of Hospital Pharmacist of Pakistan (SHPP).
13. 11<sup>th</sup> International Symposium on Natural Product Chemistry on October 29 to November 1, 2008. Jointly organized by International Center for Chemical and Biological Sciences (H.E.J. Research Institute of Chemistry, Dr. Panjwani Center for Molecular Medicine and Drug Research), University of Karachi, Karachi.

## **CONFERENCES (15)**

1. 2nd Probe Conference: Molecules to mechanisms, held on January 07 – 09, 2020. Organized by Department of Physiology, University of Karachi.
2. 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.
3. "5th All Pakistan DUHS-DICE Health Innovation Exhibition, Dow University of Health Sciences" held on 16th - 17th October, 2019. Organized by Dow University of Health Sciences.
4. 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 and Genetic Engineering (KIBGE), University of Karachi.
5. 1<sup>st</sup> Probe Conference – Biology: Down the Road, held on January 16 – 18, 2018. Organized by Department of Physiology, University of Karachi.
6. 14<sup>th</sup> 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.
7. 14<sup>th</sup> National and 5<sup>th</sup> 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.
8. 6<sup>th</sup> 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, Karachi.
9. Third Hamdard International Unani Medicine Conference on “Unani Medicine: Education and research issues, prospects and challenges (HUCON-2013)”, February 25-27, 2013. Organized by Faculty of Eastern Medicine, Hamdard University, Karachi.
10. 2<sup>nd</sup> National Phycological Conference “Algae for Mankind”, October 15-17, 2012, Karachi. Organized by Department of Botany, University of Karachi, Karachi.
11. 1<sup>st</sup> 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.

12. 35<sup>th</sup> All Pakistan Science Conference, Genomics for Health and Prosperity on December 20 – 23, 2008. Organized by Pakistan Society for Microbiology, Pakistan Association for the Advancement of Science and University of Karachi.
13. Hamdard International Integrative Medicine Conference on November 24 – 26, 2008. Organized by Faculty of Eastern Medicine, Hamdard University, Karachi.
14. 2<sup>nd</sup> International Conference on Islamic identity in emerging global scenario and mental health dilemmas in modern society on September 11, 2007. Organized by Institute of Clinical Psychology, University of Karachi.
15. 14<sup>th</sup> International Pharmacy Conference and Exhibition 2007 on April 5-7, 2007. Organized by Pakistan Pharmacist Association.

### **SEMINARS (13)**

1. 9<sup>th</sup> 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.
2. Innovations in Pharmacotherapy and Disease Management, held on September 26-27, 2018. Organized by Institute of Pharmaceutical Sciences, Jinnah Sindh Medical University, Karachi.
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.
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.
5. Prof. Dr. Mustafa Shameel Memorial Seminar on Industrial Application of Seaweed, held on 19<sup>th</sup> July, 2016. Organized by Office of Research, Innovation and Commercialization, University of Karachi.
6. Seminar on Perspective and Dimensions of Drug Product Bioequivalence in 21st Century, held on December 15, 2015. Organized by Department of Pharmaceutics, University of Karachi.
7. Seminar on "EndNote: The Citation Management Software", February 26, 2015. Organized by Karachi University Teachers Society (KUTS), University of Karachi.

8. Awareness Seminar on Ebola Virus: A possible threat, September 12, 2014. Organized by Food Safety Research Group (FSRG), Department of Microbiology, University of Karachi.
9. Shameel Memorial Seminar on Algal Resources of Pakistan, May 6-7, 2014. Jointly organized by Institute of Marine Science, University of Karachi and Office of Research, Innovation and Commercialization (ORIC), University of Karachi.
10. Seminar on “Academia integrity and Plagiarism”, February 12, 2014. Organized by Karachi University Teachers’ Society (KUTS), University of Karachi.
11. Seminar on Pharmacy – The Versatile Approach Towards Professionalism, March 20, 2010. Organized by Faculty of Pharmacy , University of Karachi.
12. Career Oriented Seminar on “ Good Manufacturing Practices, Quality Control, Quality Assurance and Manufacturing Technology” on May 8-17, 1998. Organized by Pakistan Pharmacist Association.
13. First one day Seminar on Herbs, Medicines and Therapeutics, on March 29, 1997. Organized by Pakistan Society of Pharmacognosy, University of Karachi.

## **PUBLICATIONS**

### **BOOKS**

1. **Muhammad Mohtasheemul Hasan** , Salman Ahmed and S.Waseemuddin Ahmed. *Genera Phoenix, Castanospermum and Cordia: Traditional Use- Biological And Phytochemical Investigation*. LAP LAMBERT Academic Publishing GmbH & Co. KG, Dudweiler Landstraße 99 , 66123 Saarbrücken, Germany (2011). ISBN-10: 3845477202, ISBN-13: 978-3845477206.
2. Monographs of Unani Medicine, Vol 1, Compiled / Edited by A Saeed, H. H. Ahmed, H. S. Ahmed, M. A. Rizvi, **Muhammad Mohtasheemul Hasan**, H. Bano and F. Mazhar. A joint Publication of Bait-al-Hikmah Hamdard University, Hamdard Foundation Pakistan and Drug Control and Traditional medicine Division, National Institute of Health, Islamabad (2003).

### **CHAPTER IN BOOK**

Chapter- 5: "Biological studies on *Melilotus officinalis*". Iqbal Azhar, Farah Mazhar, **Muhammad Mohtasheemul Hasan** and M. Shaiq Ali. In: *Advances in Natural Products*. Zaheer Ahmed and Ahsana Dar (Eds). Daya Publishing House, Delhi - 110 035, India (2008).

## RESEARCH PAPERS (IF = 59.164)

1. Saima Athar, Lubna Faisal, Zia ul Islam, Asma Basharat, **Muhammad Mohtasheem ul Hasan**, Bushra Shaikh. Effect of berberis vulgaris fruit extract on gentamicin induced histopathological changes in liver of Albino rats. Rawal Medical Journal, 47(2): 485-489, 2022.(**Category- Y journal**)
2. Erum Shah, Tehseen Quds , Faheema Siddiqui , Syed Waleed Ahmed Bokhari , Nimra Mazhar , Ghazala Ishrat , **Muhammad Mohtasheem ul Hasan**. Significance of Pharmacognosy: Students' Perspective. Research Journal of Pharmacognosy, 9(3): 35–42, 2022. (**Category- Y journal**)
3. Nimra Mazhar, **Muhammad Mohtasheem ul Hasan**, Sadia Ghousia 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**)
4. Saima Rubab, Ghazala Hafeez Rizwani, Muhammad Mohtasheem ul Hassan, Arjumand Iqbal Durrani, Uzma Hanif, Muhammad Ajaib, Iram Liaqat, Ayesha Sadiqa, Ayesha Shafi and Farah Batool. Establishment of pharmacognostic standards of different morphological parts of *Camellia sinensis* L. grown in Pakistan. Pakistan Journal Botany, 54 (4): 1557 – 1565, 2022. (**IF = 1.101**)
5. Wasif Iqbal, Shadman Andalib, Syed Nadeem ul Hasan Mohani, **Muhammad Mohtasheem ul Hasan**, Muhammad Arman, Liaqat Ali. Elemental analysis of carrageenans isolated from *Hypnea musciformis* red algae of Karachi coast using SEM-EDX. Pakistan Journal of Pharmaceutical Sciences, 35(2): 561-570, 2022. (**IF = 0.863**)
6. Muhammad Younus, **Muhammad Mohtasheem-ul-Hasan**, Shakeel Ijaz, Muhammad Kamran, Ambreen Maqsood, Bushra Saddique, Uzair Nisar, Muhammad Ashraf, Eman A. Mahmoud, Ahmed M. El-Sabrou, and Hosam O. Elansary. 2022. "Investigation of *Euphorbia nivulia*-HAM for Enzyme Inhibition Potential in Relation to the Phenolic and Flavonoid Contents and Radical Scavenging Activity" *Life* 12, no. 2: 321. <https://doi.org/10.3390/life12020321>(**IF = 3.817**)
7. Hamdullah Khadim Sheikh, Tanzila Arshad , Uzma Habib , Zainab Sher Mohammad , Maaz Uddin Ahmed Siddiqui and Mohtasheemul Hassan, Colorimetric chromophoric rapid detection of SARS-CoV-2 through breath analysis. Pakistan Journal of Pharmaceutical Sciences, 35(1): .157-160, 2022. (**IF = 0.863**).
8. 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**).
9. 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 (IF = 2.824).

10. 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.
11. 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).
12. Nimra Mazhar, Sadia Ghousia 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. Muhammad Younus , **Muhammad Mohtasheemul Hasan**, Sajjad Ali, Bushra Saddq, Gulam Sarwar, Muhammad Irfan Ullah, Ambreen Maqsood, Sunny Ahmar, Freddy Mora-Poblete, Farazia Hassan, Jen-Tsung Chen , Ahmed Noureldeen, Hadeer Darwish. Extracts of *Euphorbia nivulia* Buch.-Ham. showed both phytotoxic and insecticidal capacities against *Lemna minor* L. and *Oxycarenus hyalinipennis* Costa. *PLoS ONE* 16(4): e0250118, 2021 (IF = 3.752)
14. Afshan Yasmeen, Muhammad Ibrahim, **Muhammad Mohtasheem ul Hasan**, Tahseen Jilani, Seema Shafique, Munawwer Rasheed. Phycochemical analyses and pharmacological activities of seven macroalgae of Arabian Sea (Northern coast line). *Pakistan Journal of Pharmaceutical Sciences*, 34(3): 963-969, 2021. (IF = 0.863)
15. Faraz Saleem, Muhammad Owais Ismail, Zahida Memon, Kausar Aamir, Akhtar Ali, **Muhammad Mohtasheemul Hassan**. *Coriandrum sativum*: A Successful Treatment for Depression Compared to Fluoxetine (An Animal Study). *Pakistan Journal of Medicine and Dentistry*, 10 (2): 55 – 60, 2021. (Category- Y journal)
16. Shadab Ahmed, Sameeta Maalik , Tabbassum Zehra , Sadia Ghousia Baig , Sadaf Zehra and **Muhammad Mohtasheem ul Hassan**. Preclinical assessment of analgesic, anti-inflammatory and antipyretic potential of *Fragaria ananassa* and *Actinidia deliciosa* fruit extract. *Pakistan Journal of Pharmaceutical Sciences*, 34(2): 521-527, 2021. (IF = 0.863)
17. Salma Sabir , Sadia Ghousia 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)
18. Aaqiba Rasheed , Nadia Younus , Nausheen Adnan , Naureen Waseem , Lubna Faisal , Tayyaba Kazmi , **Muhammad Mohtasheem ul Hassan** , M. Omar Shamim , Munair Badshah. Histomorphological effects of *Withania somnifera* root extract against Cisplatin induced renal lesions. *Pakistan Journal of Medical and Health Sciences* ,15(2): 235-239, 2021. (Category- Y journal)
19. Hamdullah Khadim Sheikh , Tanzila Arshad, Zainab Sher Mohammad, **Muhammad Mohtasheemul Hassan** and Mehdi Hasan Kazmi. Dual functional azo polysiloxane dyes for

- polyester: synthesis and application. *Bulgarian Chemical Communications* 52(4):481-487, 2021. **(Category- Y journal)**
20. Hamdullah Khadim Sheikh , Tanzila Arshad, Zainab Sher Mohammad, Iqra Arshad and **Muhammad Mohtasheemul Hassan**. Repurposed drug molecules for serine protease and spike glycoprotein of SARS-CoV-2. *International Journal of Biology and Biotechnology* 18(1):11-15, 2021.
  21. Hamdullah Khadim Sheikh, Tanzila Arshad, Zainab Sher Mohammad , Iqra Arshad and **Muhammad Mohtasheemul Hassan**. Differential binding of repurposed HIV protease inhibitors for SARS-CoV-2. *International Journal of Biology and Biotechnology* 18(1):5-9, 2021.
  22. Muhammad Younus , **Muhammad Mohtasheemul Hasan** , Khalil Ahmad , Ihsanul Haq , Rizwan Ahmad , Bakht Nasir , Adnan Amin , Jafir Hussain Shirazi , Muhammad Hanif , Ghazala Shaheen , Syeda Abida Ejaz and Ume Habiba. Evaluation of Hepato-protective and Nephron- Protective Potential of *Euphorbia nivulia* Buch.-Ham. Against Carbon Tetrachloride-induced Toxicity in Sprague Dawley Rats. *Journal of Pharmaceutical Research International* 33(21A):83-100, 2021. **(Category- Y journal)**
  23. Memona 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.
  24. 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.
  25. Rifat Roshan, Salman Ahmed and **Muhammad Mohtasheemul Hassan**. *Arenaria serpyllifolia* L.: A review of medicinal uses, phytochemistry and pharmacology. *World Journal of Pharmacy and Pharmaceutical Sciences, Bulgaria*, 10 (3):157-164, 2021.
  26. Salman Ahmed, Mehreen Zaheer, Imran Ahsan Mallick and **Muhammad Mohtasheemul Hassan**. Choloretic and cholagogic effects of anti-cholelithiatic plants. *Journal of Pharmacognosy and Phytochemistry, India*, 10 (2): 01-07, 2021.
  27. 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.
  28. Syed Farhan Abbas Naqvi, Sheikh Abdul Khaliq, Muhammad Liaquat Raza, Ale Zehra, Maaz uddin Ahmed Siddiqui and Muhammad Mohtasheem-ul-Hasan. A comparative study of the common complaints and secondary complications in patients of osteoarthritis on allopathic, homeopathic and herbal system of medicines. *Pakistan Journal of Pharmaceutical Sciences*, 34(1) (Suppl): 447-453, 2021. **(IF = 0.863)**
  29. 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.
  30. 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)
31. Syed Waleed Ahmed Bokhari, Sabiha Gul, Rida Fatima, Sana Sarfaraz, **Muhammad Mohtasheemul Hasan**, and Afshan Abbas. Antiemetic Effect of Fruit Extracts of *Trapa bispinosa* Roxb. in Chick Emesis Model. Journal of Pharmaceutical Research International, 32(33): 116-123, 2020 (Category- Y journal).
  32. Hamdullah Khadim Sheikh, Tanzila Arshad, Zainab Sher Mohammad, Isra Khalil Moussa, Rafia Usman and **Muhammad Mohtasheemul Hasan**. Derivatives of diisopropyl phenoxyphosphate with controlled reactivity for enhancement of Acetylcholine (ACh) neurotransmitter. Pakistan Journal of Pharmaceutical Sciences, 33(5) (Suppl): 2239-2242, 2020 (IF = 0.562).
  33. Hamdullah Khadim Sheikh, Tanzila Arshad, Maria Merajoddin, Zainab Sher Mohammad, Rafia Usman and **Muhammad Mohtasheemul Hasan**. Docking analysis of aryl derivatives of diepoxide alkylating agents. Pakistan Journal of Pharmaceutical Sciences, 33(5): 2017-2021, 2020 (IF = 0.562).
  34. Muhammad Younus, **Muhammad Mohtasheemul Hasan**, Sadia Khalil, Bushra Saddiq, Khalil Ahmad, Qazi Adnan Jamil, Jafir Hussain Shirazi, Muhammad Hanif, Muhammad Sajid-ur-Rehman, Kashif-ur-Rehman Khan, Muhammad Imran Aziz. Phytochemical, antimicrobial and time-kill kinetics potentials of *Euphorbia nivulia* Buch.-Ham.: A Cholistan desert medicinal plant. Pakistan Journal of Pharmaceutical Sciences, 33(5) special: 2461-2469, 2020. (IF = 0.562).
  35. Muhammad Younus , **Muhammad Mohtasheem ul Hasan**, Khalil Ahmad, Ali Sharif, Hafiz Muhammad Asif, Muhammad Rahil Aslam , Ihsan ul Haq and Zulfiqar Ahmad.  $\alpha$ -Glucosidase Inhibitory, Anti-Oxidant, and Anti-Hyperglycemic Effects of *Euphorbia nivulia*–Ham. in STZ-Induced Diabetic Rats. Dose-Response, July 2020: 1-10. [10.1177/1559325820939429](https://doi.org/10.1177/1559325820939429) (IF = 2.438).
  36. 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.
  37. 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.
  38. 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.
  39. 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)
  40. 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.

41. 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.
42. Steven Neau, Khalid Alkharfy, **Muhammad Mohtasheemul Hasan**, Sharonia Butt and Syed Muhammad Fareed Hasan. Directly compressed rosuvastatin calcium tablets that offer hydrotropic and micellar solubilization for improved dissolution rate and extent of drug release. Saudi Pharmaceutical Journal, 27(5): 619-628, 2019 (IF = 3.643).
43. Muhammad Younus, **Muhammad Mohtasheemul Hasan**, Muhammad Sajid ur Rehman, Khizer Abbas and Ghulam Sarwar. Pharmacognostic and physicochemical screening of *Euphorbia nivulia* Buch.-Ham. Pakistan Journal of Pharmaceutical Sciences, 32(3): 1111-1119, 2019 (IF = 0.596).
44. 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, Vol. 59: 152883 -DOI: <https://doi.org/10.1016/j.phymed.2019.152883> , 2019 (IF = 4.268)
45. 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).
46. Javed Ashraf, Sadia Ghousia 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).
47. Salma, Sadia Ghousia 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, 14 (1): 174-179, 2018. (Pakistan)
48. Salma, Sadia Ghousia 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, 6(1): 76-82, 2018. (Pakistan)
49. Maryam Anis, Afshan Yasmeen, Sadia Ghousia 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).
50. Syeda Anum Fatima, Sadia Ghousia 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).
51. Darakhshan Masroor, Sadia Ghousia 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).

52. 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*, 6 (6): 429-432, 2017. (India)
53. 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**).
54. 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*, 6 (5): 1780-1787, 2017. (India)
55. 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*, 6 (5): 325-335, 2017. (India)
56. 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 = 0.649**).
57. 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*, 6 (8):224-233, 2017. (Bulgaria)
58. Salman Ahmed and **Muhammad Mohtasheemul Hasan**. Antiurolithiatic plants of Acanthaceae, Amaranthaceae, Amaryllidaceae, Anacardiaceae, Apocynaceae, Arecaceae, Asparagaceae, Aspleniaceae, Caesalpiniaceae, Cappariaceae, Caryophyllaceae, Chenopodiaceae, Cucurbitaceae, Cupressaceae, Ericaceae, Equisetaceae. *World Journal of Pharmacy and Pharmaceutical Sciences*, 6 (8):156-182, 2017. (Bulgaria)
59. 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*, 6 (8):48-61, 2017. (Bulgaria)
60. 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*, 6 (4): 1430 -1436, 2017. (India)
61. 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*, 6 (4): 1028-1031, 2017. (India)
62. 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*, 6 (3): 64-68, 2017. (India)

63. 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, 6 (7): 90-96, 2017. (Bulgaria)
64. Salman Ahmed, Maaz Uddin Ahmed Siddiqui and **Muhammad Mohtasheemul Hasan**. Globally used antiurolithiatic plants of family Apiaceae. World Journal of Pharmaceutical Research, 6 (7): 358-364, 2017. (Bulgaria)
65. 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, 6 (3): 592-596, 2017. (India)
66. 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, 6 (3): 394-402, 2017. (India)
67. 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, 6(6): 1934-1959, 2017. (Bulgaria)
68. 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, 6(2): 87-91, 2017. (India)
69. 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, 6(1): 102-108, 2017. (India)
70. Darakhshan Masroor, Rafi Akhtar Sultan, Salman Ahmed and **Muhammad Mohtasheemul Hasan**. Near infrared spectroscopy of *Cicer arietinum* L., seeds. Journal of Pharmacognosy and Phytochemistry, 5(6): 182-184, 2016. (India)
71. Zainish M. Saleem, Salman Ahmed and **Muhammad Mohtasheemul Hasan**. *Phaseolus vulgaris* Linn: Botany, medicinal uses, phytochemistry and pharmacology. World Journal of Pharmaceutical Research, 5(11):1611-1616, 2016. (Bulgaria)
72. Shoaib Alam, Afshan Siddiq and **Muhammad Mohtasheemul Hasan**. Hypolipidemic effect of *Phaseolus vulgaris* L. at various doses and its impact on cardiovascular disease. World Journal of Pharmacy and Pharmaceutical Sciences, 5(11):163-174, 2016. (Bulgaria)
73. 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, 5(11):87-93, 2016. (Bulgaria)
74. Syed Muhammad Ali Shah, Khan Usmanhani, Naveed Akhtar, Muhammad Akram, Hafiz Muhammad Asif and **Muhammad Mohtasheemul Hasan**. Clinical study on the efficacy of Amoebex (coded herbal drug) compared with Metronidazole for the treatment of Amoebic dysentery. Pakistan Journal of Pharmaceutical Sciences. 29(6): 2005-2014, 2016 (IF = 0.581).

75. Salman Ahmed, **Muhammad Mohtasheemul Hasan** and Zafar Alam Mahmood. Antiuro lithiatic plants: Formulations used in different countries and cultures. Pakistan Journal of Pharmaceutical Sciences. 29(6): 2129-2139, 2016 (IF =0.649).
76. Salman Ahmed and **Muhammad Mohtasheemul Hasan**. Urolithiasis management and treatment: Exploring historical vistas of Greco-arabic contribution. Journal of Pharmacognosy and Phytochemistry, 5(5): 167-178, 2016. (India)
77. Salman Ahmed and **Muhammad Mohtasheemul Hasan**. Muslim heritage in medicine: A concise review on Greco-Arabic contribution. Journal of Pharmacognosy and Phytochemistry, 5(4): 273-283, 2016. (India)
78. 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, 5(8):289-300, 2016. (Bulgaria)
79. 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, 5(3): 28-35, 2016. (India)
80. Salman Ahmed, **Muhammad Mohtasheemul Hasan** and Zafar Alam Mahmood. *In vitro* microscopic study of calcium oxalate monohydrate crystals growth pattern. Journal of Pharmaceutical and Scientific Innovation, 5(2): 69-73, 2016. (India)
81. 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, 5(1):23-26, 2016. (India)
82. Muhammad Khurshid Alam, Saeed Ahmed, Shazia Anjum, Muhammad Akram, Syed Muhammad Ali Shah, Hafiz Muhammad Wariss, **Muhammad Mohtasheemul Hasan** and Khan Usmanghani. Evaluation of antipyretic activity of some medicinal plants from Cholistan desert Pakistan. Pakistan Journal Pharmaceutical Sciences, 29(2): 529-533, 2016. (IF=0.581)
83. 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, 5(2): 91-95, 2016. (India)
84. Salman Ahmed, **Muhammad Mohtasheemul Hasan** and Zafar Alam Mahmood. Antiuro lithiatic plants: Multidimensional pharmacology. Journal of Pharmacognosy and Phytochemistry, 5(2): 04-24, 2016. (India)
85. 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, 5(2):51-62. (Bulgaria)
86. 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, 5(1): 124-130, 2016. (India)

87. Ahmed, **Muhammad Mohtasheemul Hasan** and Zafar Alam Mahmood. Antiurolithiatic plants in different countries and cultures. *Journal of Pharmacognosy and Phytochemistry*, 5(1): 102-115, 2016. (India)
88. Salman Ahmed and **Muhammad Mohtasheemul Hasan**. Importance of Herbaria in herbal drug discovery. *World Journal of Pharmaceutical Sciences*, 4(1):127-129, 2016. (India)
89. 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*, 4(1):64-67, 2016. (India)
90. 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*, 4(6): 295-297, 2015. (India)
91. 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*, 6(5):2984-2987, 2015. (India)
92. 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*, 4(11):23-30, 2015. (Bulgaria)
93. Salman Ahmed, **Muhammad Mohtasheemul Hasan**. Crude drug adulteration: a concise review. *World Journal of Pharmacy and Pharmaceutical Sciences*, 4(10):274-283, 2015. (Bulgaria)
94. Salman Ahmed , **Muhammad Mohtasheemul Hasan**. Standardization of crude drugs: a precise review. *World Journal of Pharmaceutical Research*, 4(10):155-174, 2015. (Bulgaria)
95. Salman Ahmed , **Muhammad Mohtasheemul Hasan**, Zafar Alam Mahmood. Estimation of oxalate contents in *Macrotyloma uniflorum* (Lam.) Verdc., *Phaseolus lunatus* Linn., and *Phaseolus vulgaris* Linn. *World Journal of Pharmaceutical Research*, 4(10):242-249, 2015. (Bulgaria)
96. Muhammad Sohail Anwer, Sumbul Shamim, Salman Ahmed, **Muhammad Mohtasheemul Hasan**, Iqbal Azhar. Hypotensive activity of *Melilotus Officinalis* (L.) Pallas. *European Journal of Medicine. Series B*, 3(2): 80-85, 2015. (Russian Federation).
97. Farheen Zaheer, Shahnaz Usman, Sakina Fatima and **Muhammad Mohtasheemul Hasan**. Comparative study of antibiotics for their antimicrobial susceptibility in clinical isolates. *International Journal of Pharmaceutical Sciences and Research*, 6(2): 630-635, 2015. (India)
98. Salman Ahmed, **Muhammad Mohtasheemul Hasan**, Syed Waseemuddin Ahmed. Natural antiemetics: An overview. *Pakistan Journal of Pharmaceutical Sciences*. 27(5)(Special Issue):1583-1598, 2014(IF = 0.682).
99. Salman Ahmed, **Muhammad Mohtasheemul Hasan**. Legumes: an overview. *RADS Journal of Pharmacy and Pharmaceutical Sciences*, 2(1): 34-38, 2014.
100. Najma Shaheen, Salman Ahmed, Iqbal Azhar, **Muhammad Mohtasheemul Hasan**. Analgesic, anti-inflammatory and antiemetic activities of *Cleome scaposa* DC. *Phytotherapeutics*, 4(1):106-113, 2013.(U.K.)



101. Kanwal Waseem Khan, Syed Waseemuddin Ahmed, Salman Ahmed, **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.(India)
102. Salman Ahmed, **Muhammad Mohtasheemul Hasan**, Syed Waseemuddin Ahmed, Zafar Alam Mahmood, Iqbal Azhar, Solomon Habtemariam. Anti-emetic effects of bioactive natural products. Phytopharmacology, 4(2), 390-433, 2013. (U.K.)
103. Kanwal Waseem Khan, Syed Waseemuddin Ahmed, Salman Ahmed, **Muhammad Mohtasheemul Hasan**. Anti-emetic and anti-inflammatory activity of fruit peel of *Luffa cylindrica* (L.) Roem. Asian Journal of Natural and Applied Sciences, 2(2): 75-80, 2013. (Japan).
104. **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)
105. **Muhammad Mohtasheemul Hasan**, Salman Ahmed, Ziauddin Ahmed, Iqbal Azhar. Anti-emetic Activity of Some Aromatic Plants. Journal of Pharmaceutical and Scientific Innovation, 1(1): 47-49, 2012.(India)
106. Zafar Alam Mahmood, Salman Ahmed, Syed Waseemuddin Ahmed and **Muhammad Mohtasheemul Hasan**. Insecticidal activity of *Castanospermum australe* against stored grain pest *Callosobruchus analis*. IOSR Journal of Pharmacy, 2(2):189-191, 2012.(India)
107. 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, 3(2): 251-253, 2012.(India)
108. Syed Muzammil Ahmed, Salman Ahmed, Farhana Tasleem, **Muhammad Mohtasheemul Hasan** and Iqbal Azhar. Acute systemic toxicity of four Mimosaceae plants leaves in mice. IOSR Journal of Pharmacy, 2(2):291-295, 2012.(India)
109. Rafi Akhtar Sultan, Zafar Alam Mahmood, Iqbal Azhar, **Muhammad Mohtasheem ul Hasan** and Salman Ahmed. Pharmacognostic and preliminary phytochemical investigation of aerial parts of *Centella asiatica* Linn. International Journal of Phytomedicine, 4(1): 125-133, 2012. (India)
110. Salman Ahmed, **Muhammad Mohtasheemul Hasan**, M. Shaiq Ali, Iqbal Azhar. Antiemetic activity of *Iyengaria stellata* and *Valoniopsis pachynema* in chicks. International Journal of Phycology and Phycochemistry, 8(2):127-132, 2012. (Pakistan)
111. Farah Mazhar, **Muhammad Mohtasheemul Hasan**, Iqbal Azhar, M. Shaiq Ali, Misbah Zubair , Rabail Zahid, Muhammad Akram . Some Biological Studies on *Hypnea pannosa* J. Ag. African Journal of Biotechnology, 10(61):13313-13317, 2011.(IF=0.573) (Nigeria)
112. Salman Ahmed, Munnawar Sultana, **Muhammad Mohtasheemul Hasan**, Iqbal Azhar. Analgesic and antiemetic activity of *Cleome viscosa* L. Pakistan Journal of Botany, Special Issue 43:119-122, 2011. (IF = 0.836)

113. Salman Ahmed, Burhan Qureshi, **Muhammad Mohtasheemul Hasan**, Syed Waseemuddin Ahmed and Iqbal Azhar. Toxicity assessment of *Mucuna pruriens* Linn. Seed. International Research Journal of Pharmacy, 2(11):133-135, 2011. (India)
114. **Muhammad Mohtasheemul Hasan**, Syed Waseemuddin Ahmed, Iqbal Azhar and Husan Bano. Phytoconstituents isolated from *Phoenix sylvestris* Roxb., Journal of Basic and Applied Sciences , 6(1): 17-22, 2010. (Pakistan)
115. Zafar Alam Mahmood, Syed Waseemuddin Ahmed, Husan Bano, Mohammad Sualeh , **Muhammad Mohtasheemul Hasan** and Ghulam Sarwar. *In vitro* activity of Some plant extract against *Plasmodium falciparum*. Proceedings of Parasitology , 49: 65-69, 2010. (Pakistan)
116. Z. A. Mahmood, S. M. Zoha, U. G. Khan, **Muhammad Mohtasheemul Hasan**, O. Ali, S. Jahan, A. Saeed, R. Zahid and M. Zubair. *Kohl (Surma)*: Retrospect and prospect, Pakistan Journal of Pharmaceutical Sciences, 22(1): 107-122, 2009.(**IF=0.825**)
117. Zafar Alam Mahmood, Husan Bano, Syed Waseemuddin Ahmed, Mohammad Sualeh , Shabana Usman Simjee , **Muhammad Mohtasheemul Hasan**, Iqbal Azhar and Saad Bin Zafar Mahmood. *In vitro* Leishmanicidal activity of Some plant extracts against *Leishmania Major*. Proceedings of Parasitology , 50: 43-51, 2010. (Pakistan)
118. Iqbal Azhar, **Muhammad Mohtasheemul Hasan**, Farah Mazhar and M. Shaiq Ali. Some Biological evaluation on *Samanea saman*, Pakistan Journal of Pharmacology, 26(1): 47-53, 2009.
119. M. Suhail Anwer, **Muhammad Mohtasheemul Hasan**, Iqbal Azhar, Syed Waseemuddin Ahmed and Husan Bano. Chemical constituents from *Melilotus officinalis*, Journal of Basic and Applied Sciences, 4(2): 89-94, 2008. (Pakistan)
120. Shahla Imam, Iqbal Azhar, **Muhammad Mohtasheemul Hasan**, Muhammad Shaiq Ali and Syed Waseemuddin Ahmed. Two Triterpenes lupanone and lupeol isolated and identified from *Tamarindus indica* L., Pakistan Journal of Pharmaceutical Sciences, 20(2): 125-127, 2007.
121. **Muhammad Mohtasheemul Hasan**, Syed Waseemuddin Ahmed, Iqbal Azhar, Husan Bano, Viqar Uddin Ahmed and Muhammad Shaiq Ali. Biological activity and phytochemistry of *Phoenix* species, Hamdard Medicus, Vol.XVIII (3):11-19, 2005. (Pakistan)
122. **Muhammad Mohtasheemul Hasan**, Syed Waseemuddin Ahmed, Iqbal Ahmed, Khan Usman Ghani and Sumbul Shamim. Kinetic studies on *Zingiber officinale*, Pakistan Journal of Pharmaceutical Sciences,17(1): 47-54, 2004.
123. Sumbul Shamim, Syed Waseemuddin Ahmed, Iqbal Azhar, **Muhammad Mohtasheemul Hasan** and Husan Bano. Superficial Mycosis in Sind region, Pakistan Journal of Pharmacology, 20(2): 27-35, 2003.
124. Rahmatullah Qureshi, G. Raza Bhatti, Aftab Saeed and **Muhammad Mohtasheemul Hasan**. Medicinal Plants of Capparidaceae family growing around Madinat-al-Hikmah, Hamdard Medicus, Vol. XLVI, No. 4: 12-21, 2003. (Pakistan)
125. **Muhammad Mohtasheemul Hasan**, Syed Waseemuddin Ahmed, Khan Usmanghani, Iqbal Azhar, Viqar Uddin Ahmed and Muhammad Shaiq Ali.. Genus *Cordia*, Hamdard Medicus, Vol. XLVI, No. 2: 16-24, 2003. (Pakistan)

126. **Muhammad Mohtasheemul Hasan**, Syed Waseemuddin Ahmed, Iqbal Azhar and Muhammad Shaiq Ali. Brine Shrimp bioassay of *Phoenix sylvestris*, Pakistan Journal of Pharmaceutical Sciences, 14 (2):19-21, 2001.