

Iqbal Azhar Ph.D., R. Ph.
Professor & Chairman
Department of Pharmacognosy
Faculty of Pharmacy & Pharmaceutical Sciences
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PERSONAL INFORMATION

Father's Name : Qazi Azhar-ul-Hassan (Late)
Date of Birth : 16th January 1965
Marital Status : Married

ACADEMIC QUALIFICATIONS

Ph. D. : Department of Pharmacognosy, Faculty of Pharmacy,
University of Karachi, 2000
M. Pharm. : Department of Pharmacognosy, Faculty of Pharmacy,
University of Karachi, 1992
B. Pharm. : Faculty of Pharmacy, University of Karachi, 1990

DISSERTATIONS

Ph. D. : Chemical and Biological Studies on Medicinal
Leguminaces.
M. Pharm. : Constituents of *Sapindus mukorossi* Gaertn.
Zygodphyllum propinquum Decne. and *Laurencia
obtusum* Lamour.

Ph.D. and M. Pharm. Supervisor
Prof. Dr. Usman Ghani Khan (Late)

PROFESSIONAL STATUS

Registered Pharmacist
(Reg. 1409 Register "A" Pharmacy Council of Sindh, Pakistan)

TEACHING AND RESEARCH EXPERIENCE

2011- present : Professor
2005 – 2011 : Associate Professor
2000 - 2005 : Assistant Professor
1994 - 2000 : Lecturer

RESEARCH INTERESTS

1. Phytopharmaceuticals, Nutraceuticals, Cosmeceuticals, Pharmacognostic Studies, Biological and Chemical Studies on Terrestrial and Marine Sources. Epidemiological studies.

RESEARCH PROJECT:

Synthesis of various derivatives of ursolic acid and betuline acid to evaluate their pharmacological potential and applications in medicine. (No. PM-/HRD/HEC/2011/2765)

RESEARCH STUDENTS SUPERVISED

Ph. D.	Name	Title	Year
1.	Ms. Javeria Quadri	Comparative study of conventional and alternative treatment in asthma.	2022
2.	Muhammad Asif Wazir	Pharmacognostic and phytopharmacological studies on <i>Capparis decidua</i> (Forsk.) Edgew with special reference to antifungal and anti-inflammatory potential through topical gel preparation.	2022
3.	Tehseen Quds	Study on safety and quality assessment of selected herbal products available in Pakistan.	2022
4.	Muhammad Tanveer Khan	Pharmacognostic and Biological Studies of different parts of <i>Diospyros montana</i> Roxb.	2021
5.	Mahmood Sheikh	Study on Comparative Effectiveness of Alternative Medicine and Allopathic Oral Hypoglycemic Medicines in Type II Diabetic Patients	2020
6.	Ejaz Bashir	Comparative Clinical Efficacy and Safety of Coded Polyherbal Medicines Arthitec 1 and Arthitec 2 with Allopathic Medicines for the Management of Arthritis.	2019
7.	S. Muzzamil Ahmad	Pharmacoeconomic Evaluations of Herbal Therapies for Major Diseases in Karachi.	2019
8.	Safia Abidi	Studies on the Standardization of Rose Water and Assessment of Its Uses / Role in Herbal Medicine.	2018
9.	Najma Shaheen	Pharmacognostic and Chemical Studies on Spices available in Pakistan Market to ascertain their Folk Use and Standardization.	2017
10.	Nousheen H. Siddiqui	Studies on Production of Pectine from Fruit Waste Available in Pakistan. Its Bio-Characterization and Utilization in the Development of Pharmaceutical and Food Products.	2017
11.	Farhana Tasleem	Biological Analysis on Phytopharmaceuticals	2016
12.	Shehla Imam	Studies on Flavonoids of some Seasonal Fruits and Topical Formulations Design for Correlation of their Usefulness in the Management of Personal Care Problems.	2016
13.	Rafi Akhtar Sultan	Pharmacognostic Studies on <i>Centella asiatica</i>	2013
M. Phil.			
1.	Rafia Zehra Rizvi	Phytopharmacological Evaluations on Spider Plant	2020
2.	Shumaila Qadir	Antioxidant and Cytotoxic Studies on Pectin from Seasonal Fruits	2018

3.	Syed Farhan Abbas Naqvi	Studies on Algal Flavonoids and their Application in Cosmeceuticals.	2018
4.	Ramla Binte Baber	Studies on Fruits Pectin in the Development of Tablet Formulation of Ibuprofen.	2018
5.	Sara Naqvi	Determination of the Flavonoids content of some seasonal Fruits and Assessment of their Role in the management of Cardio-Vascular Disease Risk.	2017
6.	Samana Zehra	Strategies to Minimize Herbal and Over-the-Counter Drugs Associated Risk	2017
7.	Asma Masood	Pharmacological Evaluation on <i>Tithonia diversifolia</i> and <i>Skimmia laureola</i> .	2013
8.	Tehseen Quds	Biological Studies on Some Species of the Genus <i>Acalypha</i> .	2009
9.	Najma Shaheen	Biological Studies on <i>Cleome brachycarpa</i> and <i>Cleome scaposa</i> .	2009
10.	Shahla Imam	Phytochemical and Pharmacological Investigations on <i>Tamarindus indica</i> and <i>Cassia absus</i>	2008
11.	M. Ashraf	Chemical and Biological Studies on <i>Samanea saman</i> and a Marine Red Alga <i>Hypne pannosa</i>	2006
12.	Sohail Anwar	Biological and Chemical Studies on <i>Melilotus officinalis</i>	2005

M. Pharm.			
S#	Name	Title	Year
1.	Shariq Ali Mohsin	Study on extraction and yield of pectin from different fruits	2020
2.	Noshaba Shaheen	Herbal Drugs: An Approach Towards Diabetes Management	2012
3.	Faiza Qamar Siddiqui	Anti-emetic study on some Natural Sources	2011
4.	Munawar Sultana	Biochemical Studies on <i>Cleome viscosa</i>	2011
5.	Samreen Hasan	Researches on Methods Used for Analysis of Triterpenes	2010
6.	Safia Abidi	Dental Problem in Diabetic Patients (A Survey Based Study).	2010
7.	Nosheen Hameed Siddiqui	Toxicological and Neurobehavioral Studies on 3-(N- methyl 3 piperidyl) 7 Azo Indole compound.	2010
8.	Affan Zahid	Antiemetic Study on Aromatic Herbs.	2009
9.	Tayyaba Tahira	<i>Triterpenes</i> from Iranian Motherwort	2009
10.	Zia uddin Ahmed	Antiemetic Study on Some Terrestrial and Marine Sources	2008
11.	M. Nadeem Ahmed	Pharmacological Studies on Two Nigerian Medical Plants	2007

12.	Touseef Subzwari	Comparative Pharmacological Studies on Two Nigerian Medicinal Plants	2007
13.	S. Muzzamil Ahmed	Assessment of Market, Chemistry and Pharmacology of Some Medicinal Herbs.	2007
14.	Saleem	Chemical and Pharmacological Studies on <i>Tamarindus indica</i>	2006

RESEARCH STUDENTS ENROLLED

Ph.D.	08
M. Phil.	04

PROFESSIONAL MEMBERSHIPS

- Life Member Pakistan Pharmacist Association
- Life Member, Pakistan Pharmacological Society
- Life Member Chemical Society of Pakistan

ADMINISTRATIVE RESPONSIBILITIES AND EXPERIENCES

1. Dean, Faculty of Pharmacy and Pharmaceutical Sciences, University of Karachi 2015-2018.
2. Member Syndicate as senior Dean, University of Karachi. 23rd June 2017- 20th December, 2018
3. Editor in Chief, Pakistan Journal of Pharmaceutical Sciences, Faculty of Pharmacy and Pharmaceutical Sciences, University of Karachi 2015-2018.
4. Associate Editor Pakistan Journal of Pharmaceutical Sciences 2018 till date.
5. Associate Editor Pakistan Journal of Pharmaceutical Sciences. (2007-2010).
6. Chairman, Department of Pharmacognosy, Faculty of Pharmacy & Pharmaceutical Sciences, University of Karachi 2009-2012.
7. Member Advanced Studies & Research Board, University of Karachi.
8. Member, Board of Faculty, Faculty of Pharmacy & Pharmaceutical Sciences, University of Karachi.
9. Member Pharm. D. Curricula Committee, Faculty of Pharmacy & Pharmaceutical Sciences, University of Karachi
10. Internal Tabulator in Semester Cell, nominated by the Faculty of Pharmacy & Pharmaceutical Sciences, University of Karachi (2000-2009).
11. Coordinator, Seminar Committee, Faculty of Pharmacy & Pharmaceutical Sciences, University of Karachi (2007-2015).
12. Programe Coordinator, University of Sains Malaysia and Faculty of Pharmacy & Pharmaceutical Sciences, University of Karachi.(2008-2010)
13. Programe Coordinator, Faculty of Pharmacy University of Karachi and Pharm Evo (Pvt.) Ltd. Career Counseling Services at Faculty of Pharmacy & Pharmaceutical Sciences, University of Karachi (2010-2015).
14. Assistant Students Advisor, University of Karachi 31-3-2001 to 20-10-2001
15. Incharge, Official Magazine, FARMACIA, official magazine of the Faculty of Pharmacy, University of Karachi from 2001 to 2002.
16. Member Board of Studies Department of Pharmacognosy, Faculty of Pharmacy, Bahauddin Zakariya University Multan.

17. Member Board of Studies Department of Pharmacognosy, Faculty of Pharmacy Islamia University Bahawalpur.
18. Member Board of Studies Department of Pharmacognosy, Faculty of Pharmacy Sindh University Jamshoroo.
19. Member Board of Studies Department of Pharmacognosy, Faculty of Pharmacy, Jinnah University for Women Nazimabad, Karachi.
20. Member Board of Studies Department of Pharmacognosy, Institute of Pharmaceutical Sciences, Baqai Medical University Karachi.
21. Member Board of Studies Department of Pharmacognosy, Faculty of Pharmacy, Hamdard University, Karachi.
22. Member Board of Faculty Institute of Pharmaceutical Sciences, Baqai Medical University, Karachi.
23. Member Board of Faculty, Institute of Pharmaceutical Sciences, Jinnah Sindh Medical University, Karachi.
24. Member Board of Faculty Jinnah University for Women, Nazimabad Karachi.

LECTURES PRESENTED:

1. Natural Products in Drug Discovery

April 27-30, 2017 1st International Conference on new horizons in drug discovery and pharmaceutical sciences.

Organized by: Department of Pharmaceutical Sciences, Abbottabad University of Science & Technology, Havelian Abbottabad.

2. Searching the Oceans for the New Products

18th July, 2017 Arts auditorium, University of Karachi Organized by Office of Research Innovation & Commercialization, University of Karachi.

3. Recent Trends in Alternative Medicine: Herbal and Other Natural Products

06th July, 2017, Arts Auditorium, University of Karachi. Organized by Department of Biochemistry In collaboration with Department of Food Sciences & Technology.

4. Blue Ocean Leadership and Public Sector Universities

7th October, 2017 Institute of Business Managements.

5. Career opportunities for Pharmacists: A national perspective

14th November, 2017 Faculty of Pharmaceutical Sciences, Barrett Hodgson University Karachi.

6. Academic Industry Collaboration

Post graduate Research Symposium for Prospective Graduate Students & Enrolled Research Fellows held on 23rd June, 2014, Organized by Office of Research & Innovation & Commercialization, University of Karachi

7. Faculty of Pharmacy & Pharmaceutical Sciences from 1964-2015.

29th December, 2017 Kulliyah of Pharmacy International Islamic University Malaysia.

PUBLICATIONS

Chapters in Book:

Kohl Use in Antiquity Effect on the Eye. Chapter 7 History of Toxicology and Environmental Health: Toxicology in Antiquity II, Philip Wexler (Editor) Academic press (2014) ISBN 0128015063 / 9780128015063

RESEARCH PAPERS:

1. Yusra Khan, Shahlla Imam, Farhana Tasleem, Tanveer Abbas, Rehana Perveen, Nausheen Siddiqui, Safia Abidi, Iqbal Azhar, (2023) Sustainable Use of Traditional Plant Extracts for the Formulation of Herbal Shampoos, Vol. 50 No. 4 April 155-168.
2. Samana Zehra, Shumaila Qadir, Sheikh Abdul Khaliq, Zafar A. Mahmood, **Iqbal Azhar**, (2023) Attitudes of consumers of Karachi towards OTC and herbal drugs, Rawal Medical Journal: Vol. 48, No. 2, Apr-Jun 2023
3. Javeria Farooq, Sheikh Abdul Khaliq, Faiza Ghuman, Javeria Sheikh, **Iqbal Azhar**, (2022) Study on allopathic and alternative treatments of asthma and factors influencing treatment choices, Evidence-based complementary and alternative medicine 2022, doi.org/10.1155/2022/4699414.
4. Nausheen Hameed Siddiqui, Shumaila Qadir, Shariq Ali Mohsin , Irfan Ahmed , **Iqbal Azhar** , Zafar Alam Mahmood (2022) Effect of Ph and heating techniques on extraction of pectin from different sources available in Pakistan, Carpathian Journal of Food Science and Technology, 2022, 14 (1), 207-217.
5. Syeda Rafia Zehra Rizvi, Shahlla Imam, Safia Abidi, Zafar Alam Mahmood, Amir Hasan, Syed Sohail Hassan, Khadim Mohiuddin, **Iqbal Azhar**, (2021) Antioxidant and antitussive activity of *Cleome viscosa* L. seeds extract Latin American Journal of Pharmacy **27** (8) 1728.
6. Tehseen Quds, Maryam Ahmed, Sadia Shakeel, Nusrat Jalbani, Farah Mazhar, **Iqbal Azhar** (2021) Determination of the heavy metal contents of frequently used herbal products in Pakistan Tropical Journal of Pharmaceutical Reserch 2021; 20(2):377-382 doi: 10.4314/tjpr.v20i2.23
7. Shahlla Imam, Najma Shaheen, Safia Abidi, Humera Siddiqui, Wajiha Iffat, **Iqbal Azhar**, (2021) Moisturizing efficacy of a cream formulation containing fruit extracts for combating skin aging Latin American Journal of Pharmacy **40** (9) 2009.
8. Javeria Qadri, Sheikh Abdul Khaliq, **Iqbal Azhar** (2021) Asthmatic patients preferences regarding frequency of physician consultation: *Saudi Pharmaceutical Journal* doi:ogr/10.1016/jsps.2021.01.003.
9. Muhammad Tanveer Khan, **Iqbal Azhar**, Noureen Shehzadi, Khalid Hussain, Sajida Perveen, Uzma Hanif (2020) Morphological, microscopic, and physicochemical studies of *Diospyros Montana*. *Microscopy Research and Technique* DOI: 10-1002/jemt.23520 1-22.
10. Muhammad Asif Wazir, **Iqbal Azhar**, Zafar Alam Mahmood, Imran Qadri, M. Younus Khan, Faheem Ahmed Siddiqui, Talal Shaheer, Waqar Hussain, Khizer Abbas (2020) Pharmacognostic, phytochemical, biological and spectroscopic analyses of *Copparies deciduas* (Fork.) Edgw roat and stem bark: Tropical Journal Pharm. Research **19**(12)2668-2676.
11. S. M. Ahmad, **Iqbal Azhar**, Darakshan Masroor and Nadia Ahmed (2019) Preference of Herbal Therapies: Cost of illness and cost Benefit Analysis for Major Disease in the City of Karachi, Pakistan. Indian Journal of Pharmaceutical Sciences **81** (5): 855-891.
12. Najma Shaheen, Shahlla Imam, Rafi Akhter Sultan, Safiqa Abidi, **Iqbal Azhar** and Zafar Alam Mahmood (2019) Pharmacognostic evaluation and instru mental analysis (SEM) for the standardization of *Piper nigrum* L. (black paper) fruit *Pakistan Journal of Botany* **51**(5): 1859-1863.
13. S. Muzammil Ahmad, Darakshan Masroor, **Iqbal Azhar**, Nadia Ahmed (2019) Retrospective cost-utility and budget impact assessments of *Hypeicum Perforatun* in contract with fluoxetine treatment for depression in Karachi, Pakistan. *Brazilian Journal of Pharmaceutical Sciences* **55** (3) e17210 doi 2019000317210
14. Nausheen Hameed Siddiqui, Syed Abid Ali, **Iqbal Azhar**, Omer Mukhtar Tarar and Zafar Alam Mahmood (2018) Modulation of extraction variables of pectin from *Manilkarazapota* fruits peel, its bio characterization and comparative study using

- dynamic light scattering studies *Journal of Separation Science and Technology* doi **10:1080/01496395.2018.1457695**.
15. Tahseen Ahmed Khan, Mahmood Sheikh, **Iqbal Azhar** Abdul Khaliq Sheikh (2018) Burn aggaraveted infected wart in a patient with Type 2 diabetes : A medical challenge **BMJ Case Rep.** doi: 10:1136/bcr-2017-222897
 16. Nausheen Hameed Siddiqui, **Iqbal Azhar**, Muhammad Shaiq Ali and Zafar Alam Mahmood (2018) Physio-mechanical impact on yield of pectin extracted from relatively three new sources *Pakistan Journal of Botany* **50** (1): 251-257.
 17. **Iqbal Azhar**, Ejaz Basheer, Zeeshan Javaid, Kashif Sohail and Mahmood sheikh (2017) A review of emerging analytical techniques for standardization of herbal medicinal products *Acta Poloniae Pharmaceutica Drug Research* **74** (5) 1321-1326.
 18. Farhana Tasleem, **Iqbal Azhar**, Syed Nawazish Ali, Shaista Perveen, Zafar Alam Mahmood (2014) Analgesic and anti-inflammatory activities of *Piper nigrum* L. *Asian Pacific Journal of Tropical Medicine* **7** Supplement 1: S461-S468
 19. Muhammad Akram, Khan Usmanghani, Iqbal Ahmed and **Iqbal Azhar**. (2014) Comprehensive review on threapeutic strategies of Gouty Arthritis, *Pak. J. Pharm. Sci.*, **27**, 5: 1575-158
 20. Sultan, Rafi Akhtar; Mahmood, Saad Bin Zafar, **Iqbal Azhar**, Ahmed, Syed Waseemuddin; Mahmood, Zafar Alam. (2014) biological activities assessment of *Centella asiatica* (Linn.) *Journal of Herbs, Spices & Medicinal Plants*, **20** (3) 319-327
 21. Muhammad Akram, Khan Usmanghani, Iqbal Ahmed, **Iqbal Azhar** and Abdul Hamid (2014). *In vitro* xanthine oxidase inhibitory and *in vivo* hypouricemic activity of herbal coded formulation (Gouticin)., *Pak. J. Pharm. Sci.*, **27** (3): 541-550
 22. Saeed Ahmed, S. M. Ali Shah, M. Khursheed Alam, Khan Usman ghani, **Iqbal Azhar** (2014) Antipyretic activity of hydro-alcoholic extracts of *Moringa olifera* *Pakistan Journal of Pharmaceutical Sciences* **27** (4) 931-934
 23. Jamshed SQ, Siddiqui MJ, Rajiah K, **Iqbal Azhar** (2012) Counseling of patients by pharmacy attendants in Karachi Pakistan: Findings from A Pilot Study Research in *Social and Administrative Pharmacy* **8** e57
 24. Fozia Israr, Fouzia Hassan, Baqir Shyum Naqvi, **Iqbal Azhar**, Sabahat Jabeen l and Syed Mohammad Farid Hasan (2012). Studies on antibacterial activity of some traditional medicinal plants used in folk medicine. *Pak. J. Pharm. Sci.* **25** (3) 669-674.
 25. Muhammad Mohtasheemul Hasan, **Iqbal Azhar**, S. Muzammil, Salman Ahmed and Syed Waseemuddin Ahmed (2012). Anti- Emetic Activity of some Leguminous plants. *Pak. J. Bot.*, **44** (1) 389-391.
 26. Salman Ahmed, Munnawar Sultana, Muhammad Mohtsheem ul Hasan and **Iqbal Azhar** (2011). analgesic and antiemetic activity of *Cleome viscosa* L. *Pak. J. Bot.*, **43**: 119-122
 27. S.Q. Jamshed O. Rehman, M. Hassali, **Iqbal Azhar** (2011) Do Pharmacy Studies in Paksitan understand the concept of cancer? *International Journal Clinical Pharmacy* **33** (4) 714.
 28. Z. A Mahmood, S.W. Ahmed, **Iqbal Azhar**, M. Sualeh, M.T. Baig and S.M.S Zoha (2010) Updates: on Alkaloids produce by the species of Genus: *Boletus*, *Fusarium* and *Psilocybe*, *Pak. J. Pharm. Sci.* **23** (3), 349-357
 29. S. Imam, **Iqbal Azhar**, M. Mohtasheem, M.S. Ali and S. W. Ahmed (2007) Two Triterpenes Lupanone and Lupeol Isolated and Identified from *Tamarindus indica*, *Pak. J. Pharm. Sciences* **20**: 125-127
 30. **Iqbal Azhar**, F. Mazhar, A.Q.N. Manzar, I. Hussain and S. Shamim (2005) Colorimetric determination of Indolic drugs, *Pak. J. Pharm. Sci.* **18**(2):48-51.
 31. M. Shaiq Ali, F Ahmed, M K Pervez, **Iqbal Azhar** and S Amir Ibrahim (2005) Parkintin: A new flavaone with epoxy-isopentyle moiety from *Parkinsonia aculeata* Linn *Natural Product Research* **19** (1):53-56.
 32. M.Shaiq Ali, F Ahmed, **Iqbal Azhar** and M K Pervez (2005) Pavonin: A new Five membered lactone from *Adenantha pavonina* Linn. *Natural Product Research* **19** (1):37-40.
 33. S. Shamim, S.W. Ahmed and **Iqbal Azhar** (2004) Antifungal activity of *Allium*, *Aloe* and *Solanum* species, *Pharmaceutical Biology* **42** (7): 491-498.

34. A. Shadmani, **Iqbal Azhar**, F. Mazher, S.W. Ahmed, I. Ahmed, K. Usman ghani, S. Shmim, (2004) *Pak. J. Pharm. Sci.*, **17** (1), 47-54
35. U. Memon, A. H. Brohi, S.W. Ahmad and **Iqbal Azhar** and H. Bano (2003). Antibacterial screening of *Citrullus colocynthis*, *Pak. J. Pharm. Sci.* **16**(1): 1-6.
36. H. Bano, S.W. Ahmad, **Iqbal Azhar**, M.S. Ali and N. Alam (2002). Chemical constituents of *Tagetes patula*, *Pak. J. Pharm. Sci.* **15**(2): 1-12.
37. M. Islam, **Iqbal Azhar**, K. Usmanghani, A. Ahmad and Shahbuddin (2002). Evaluation of antibacterial activity of *Bergenia ciliate*. *Pak. J. Pharm. Sci.* **15**(2): 21-27.
38. M. Islam, **Iqbal Azhar**, K. Usmanghani, A. Ahmad and Shahbuddin (2002). *Bioactivity evaluation of Bergenia ciliata*, *Pak. J. Pharm. Sci.* **15**(1): 15-33.
39. M. Mohtasheem, S. W. Ahmad, **Iqbal Azhar** and M. Shaiq Ali (2001). Brine shrimp bioassay of *Phoenix sylvestris*, *Pak. J. of Pharm. Sci.* **14**(2):19-21.
40. M.S.Ali, **Iqbal Azhar**, F.Ahmad, V.U.Ahmad and K. Usmanghani (2001) Antimicrobial screening of mimoaceous plants, *Pharmaceutical Biology*, **39**(1), 43-46.
41. M.S.Ali, F. Ahmad, **Iqbal Azhar**, V.U. Ahmad and K. Usmanghani (2001) Unusual chemical constituents of *Lotus garcinii* (Fabaceae) *Turk. J. Chem.*, **25**(1), 107-112.
42. M.S. Ali, **Iqbal Azhar**, S. Perveen, M. Jahangir, F. Ahmad, V.U. Ahmad and K. Usmanghani (2000) Garcitin: A new flavone-glycoside from *Lotus garcinii* (Fabaceac), *J. Nat. Med.* **654**(5) 253-256.
43. M.S. Ali, V.U. Ahmad, A. Zareen, **Iqbal Azhar**, and K. Usmanghani (1999) Antimicrobial screening of some caesalpiniaceae, *Fitoterapia*, **70** (3) 299-304. 1.848
44. M.S. Ali, **Iqbal Azhar**, V.U.Ahmad and K. Usmanghani (1999) Antimicrobial screening of papilionaceous plants, *J. Chem. Soc. Pak.*, **21** (9), 73-77.
45. M.S. Ali, F. Mazhar, **Iqbal Azhar**, V.U. Ahmad and K. Usmanghani (1999), Some chemical constituents from marine algae of Karachi (Arabian Sea), *Turkish J.Chem.*, **23**(2), 181-183.
46. M.S. Ali, Iqbal Azhar, V.U. Ahmad and K. Usmanghani, (1998) Chemo-tropism in *Tamarindus indica*, *Fitoterapia*, **LXIX** (1), 43-46.
47. **Iqbal Azhar**, K. Usmanghani, S. Perveen, M.S. Ali and V.U. Ahmad (1994) Chemical constituents of *Sapindus mukorossi* Gaertn. (Sapindaceae) *Pak. J. Pharm. Sci.*, **7**(1), 33-41.
48. **Iqbal Azhar**, K. Usmanghani, S. Perveen, M.S. Ali and V.U. Ahmad (1993) Two tri-terpenoidal saponins from *Sapindus mukorossi* Gaertn., *Pak. J. Pharm. Sci.*, **6** (2) 71-77.
49. Zafar Al am Mahood, Husan Bano, Syed Waseemuddin Ahmed, Mohammad Sualeh, Shabana Usman Simjee, Muhammad Mohtasheemul Hasan, **Iqbal Azhar** and Saad Bin Zafar Mahmood. (2010) In vitro leishmanicidal activity of some plant extracts against *leishmania Major*, *Proceedings of Parasitology* **50**; 43-51
50. F. Mazhar, **Iqbal Azhar**, M.S. Ali, S. A. Nawaz and M. Iqbal Choudhry, Enzymes Inhibition studies on *Indigofera oblongifolia*, *Proceedings of Medicinal Plants Isolation & Applications* held at Department of Chemistry, Lahore College for Women University 166-169, 2008.
51. **Iqbal Azhar**, F. Mazhar, M. Mohtasheemul Hasan, M.S. Ali,(2008) Biological studies on *Melitotus officinalis.*, In Chapter 5, *Advance in Natural Products Importance in Health and Economics* (Eds.,) Zaheer Ahmed and Ahsana Dar, Center for Science & Technology of Countries, Daya Publishing House Delhi. India.110-035.
52. **Iqbal Azhar**, M.S. Ali, S.Perveen, K.Usmanghani and V.U. Ahmad (1999), Sesquiterpenoid as a bridge, *Proceeding of Herb Medicines and Therapeutics*, 94-98.
53. Mahmood Sheikh, Sheikh Abdul Khaliq, **Iqbal Azhar**, Ejaz Mohiuddin (2020) Impact of physical activity of fasting, random blood sugar and HbA1C in type II diabetic patients RADSJ Parma. Pharm. Sciences **8**(2) :98-105.
54. Sara Naqvi, Shahlla Imam, Fatima Ramzan Ali, **Iqbal Azhar**, Zafar ALam Mahmood Total Flavonoids content of seasonal fruits and their beneficial effects on cardiovascular

- disease: A cross-sectional study (2020) *Asian Journal of Pharmaceutical and Clinical Research* **12** (7) 1-4.
55. Darakshan Masroor, Sheikh Abdul Khaliq, **Iqbal Azhar**, and Syed Muzammil Ahmad (2020) Development and validation of questionnaire to compare treatment options of polycystic ovarian syndrome. *Journal of International Research in Medical and Pharmaceutical Sciences* **15** (1): 1-3.
 56. Shumaila Qadir, Nousheen Hameed Siddiqui A. Ahmed, **Iqbal Azhar** and Zafar Alam Mahmood (2020) Antioxidant and brine shrimp lethality bioassay of pectin from grape fruit (*Citrus paradisi*) and lemon (*Citrus limon*). *International Journal of Pharmaceutical Sciences and Research* **11**(2): 645-651.
 57. Shumaila Qadir, Safia Abidi, **Iqbal Azhar**, Zafar Alam Mahmood (2019) Antioxidant activity and cytotoxicity of pectin extracted from orange peels. *Pakistan Journal of Pharmacology* **36** (1&2): 15-24.
 58. Abidi Safia, Zaidi Amir, **Iqbal Azhar**, Sultan Rafi, Mahmood Zafar (2019) Assessment of rose water and evaluation of antioxidant and antiinflammatory properties of rose water based cream. *International Journal Pharm. Clin. Research* **11** (1) 43.
 59. Benish Khan, Sheikh Abdul Khaliq, **Iqbal Azhar**, (2018) Validity and reliability of dietary pattern inventory for secondary children *Isra Medical Journal* **10** (6) 371-372.
 60. Syed Muzammil Ahmed, Farhana Tasleem, Farah Mazhar, Syeda Rafia Zehra Rizvi And **Iqbal Azhar** (2018) Pharmacological evaluation on methanol Extract of *adenanthera pavonina* leaves *Pakistan Journal of Pharmacology* **35** (1,2):55-63
 61. Saifa Abidi, Najma Shaheen, **Iqbal Azhar** and Zafar Alam Mahmood (2018) Phytoprotective and antioxidant activities alongwith phytochemical investigation of rose water. *International Journal of Pharmaceutical Sciences and Research (IJPSR)* **9** (12) 1000-08
 62. Syed Muzammil Ahmed, **Iqbal Azhar**, Darakshan Masroor and Nadia Ahmed (2018) Comparative study between allopathic and herbal therapies of common cold, depression and trauma in the city of Karachi: A cost utility and relationship analysis. *Pakistan Journal of Sciences* **70** (1) 30-39.
 63. Najma Shaheen, Shahlla Imam, Safia Abidi, Rafi Akhtar Sultan, **Iqbal Azhar**, and Zafar Alam Mahmood (2018) Comparative pharmacognostic evaluation and standardization of *Capsicum annum L* (Red Chili), *International Journal of Pharmaceutical Sciences and Research* **9** (7): 1000-15.
 64. Asma Masood, Farhana Tasleem, Onecha A Patricia, M. Shaiq Ali, Syed Zohab Maroof Hussain, Faheem Ahmed Siddiqui and **Iqbal Azhar** (2017) Assessment of pharmacological potential and safety profile of *Tithonia dicensifalia*. *Pakistan Journal of pharmacology* **34** (1&2): 45-58.
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