

GHAZALA H. RIZWANI

B. Pharm, M. Pharm, Ph.D., DHMS, MSCFPTN, MPPS, Post Doc. (Japan)

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Academic Positions.....

2014-present	:	Meritorious Professor
2001-2014	:	Professor , Department of Pharmacognosy University of Karachi, Karachi
1997-2001	:	Associate Professor , University of Karachi
1994-1997	:	Assistant Professor , University of Karachi
1984-1994	:	Lecturer , University of Karachi

Administration Position.....

2014-2015	:	Member Syndicate
2013-2015	:	Acting Vice Chancellor 11 times
2013-2015	:	Dean, Faculty of Pharmacy and Editor-In-Chiefs Pakistan Journal of Pharmaceutical Sciences
2010 - 2013	:	Dean , Faculty of Pharmacy
2006-2009	:	Chairperson , Department of Pharmacognosy
2002-2005	:	Chairperson , Department of Pharmacognosy
2002-2005	:	Faculty Students' Advisor

Responsibilities

• Teaching

- * Phytochemistry & Pharmacognosy Lab. work (Undergraduate students)
- * As a senior most Dean in University of Karachi worked as
- * Advanced Analytical Techniques in Phytochemistry and Pharmacognosy (graduate and postgraduate students).
- * Instrumental Analysis (HPLC, DCCC, OPLC, Flash chromatography, IR, UV etc.) (Undergraduate, graduate and postgraduate students).
- * Spectroscopy (UV, IR, Mass and NMR etc.) (Undergraduate, graduate and postgraduate students).

- * Biosynthesis of Natural Products, Ethnopharmacognosy Marine Natural Products Chemistry, Fungal Metabolite, Chemotaxonomy etc. (undergraduate and graduate students).

● **Research**

- * Phyto medicinal and phytocasmecceatcal research.
- * Phytochemical analysis of naturally occurring materials aspects of herbal drugs.
- * Plant Toxicology and other related Natural Toxiciants
- * Clinical Pharmacognosy and Herbal Kinetics
- * Supervision of M. Pharm., M. Phil. and Ph.D. students in the field of Herbal Medicine, Natural Products Chemistry and Problems related of Pharmacy.

Scientific Communications.....

Course Work Experience

Chromatography (HPLC, OPLC, GLC, CLC etc.)	Spectroscopy (UV, IR, MS, NMR)
Anatomy	Physiology
Pathology	Gynecology
Jurist Prudence	Minor Surgery
Medicinal Plants	Cosmetology
Pharmacology	

Instrumentation Experience

- Infrared and Raman Spectroscopy
- Ultra Violet and Visible Absorption Spectroscopy
- High Performance Liquid Chromatography
- Gas chromatography
- Centrifugal Layer Chromatography
- Droplet Counter Current Chromatography
- Polarimetry
- Chromatograph with Photodiode Array Detector

Related Experience.....

- An in-depth knowledge of Herbs and Herbal System on Ayurvedic (Greeko-Arab) System of Medicine and the Plant used in Homoeopathic and Western Medicine.
- 31 years teaching experience includes:
 - taught over 10,000 students.
 - supervised 11 M. Pharm.
 - supervised 10 M. Phil students.
 - supervised 08 Ph. D students

- supervised 27 students pursuing M. Pharm, M. Phil and Ph.D degrees.
- published 134 Research papers and 20 General articles.

Education

Post Doctorate in Chemical studies on Phytonutrients, Faculty of Agriculture Shizuoka University, *Shizuoka, Japan*, **2005**.

Ph.D. (Pharmacognosy), Faculty of Pharmacy, University of Karachi, Pakistan, **1992**.

M. Pharm., University of Karachi, **1982**.

B. Pharm. University of Karachi, **1978**

Board of Intermediate, Karachi, **1972**

Board of Secondary Education, Karachi, **1970**

Awards & Research Grants

- TWAS Research Grant (The Third World Academy of Science), **1993-94**.
- Awarded Karachi University Research Grant (**1995, 1996 & 1997**).
- Award of Excellence has been given by Pakistan Pharmacists Association (PPA, Sindh), Recognition of affection care dedication guidance and professionalism to teaching and research in the field of Pharmacy, **1996**.
- A Gold Medal awarded by Pakistan Pharmacists Association (Sindh) **1997** in the recognition of dedicated services to life saving profession.
- A Gold Medal awarded by Pakistan Society of Pharmacognosy on outstanding research work in the field of Pharmacognosy, **1997**.
- American Bibliographical Society has included name in the International Directory of Five Thousand Personalities of the World for medical plants and their Pharmacology **1998**.
- Major Zia-ur-Rehman (Shaheed) Memorial has given award of excellence in recognition of scientific research work on medicine and medicinal plant, **1998**.
- A Talent Award has given by Pakistan Pharmacists Association (Sindh) in recognition of dedicated service to humanity **1999**.
- HEC Post Doctoral Fellowship, Batch II, **2004-2005**.
- Dean's Research Grant, Faculty of Pharmacy, University of Karachi, Pakistan, **2008-2014**.
- Productive Scientists of Pakistan, Directory, Higher Education Commission, **2006-2007**.
- Nishan-e Zafar for rendering meritorious services to education and Research at the University of Karachi, KUTS **2013-2014**.

Membership

- Life Member of Pakistan Pharmacist Association, Pakistan.
- Executive Member of Pakistan Pharmacist Association 1986-87, Pakistan.
- Member, The Chemical Society of Pakistan.
- Member, Pakistan Pharmacological Society.
- Member, Pakistan Society of Pharmacognosy.
- Member, Board of Advance Studies and Research, University of Karachi.
- Member, Academic Council, University of Karachi.
- Member, Board of Faculty, Faculty of Pharmacy, University of Karachi.
- Member, Board of Studies, Department of Pharmacognosy, University of Karachi.
- Member, Quality Control Board, Pharmacy Council of Pakistan.
- Member, Ethical Review Board, ICBSBR, HEJ Research Institute of Chemistry, University of Karachi.
- Member, Finance and Planning Committee, University of Karachi.
- Member charter inspection and evaluation committee education and Litrary Department, Govt of Sindh.
- Member syndicate, University of Karachi. Karachi.
Member CIEC as formar acting Vice chancellor University of Karachi.

Research Supervision (M.Pharm / M.Phil / Ph.D)

M.Pharm

- Phytopharmacologic Studies on *Bouchea marrubifolia*, **M. Shoaib Patel, M. Pharm., 1992.**
- Pharmacognostic Studies on *Eichornia crassipes* (Mart.) Solms, **Syed Meraj Ahmad, M. Pharm., 1992.**
- Chemical and Pharmacological Investigations on Medicinal Plant *Caralluma edulis*, **M. Aslam, M. Pharm., 1994.**
- Stability Studies on antacid (Filmacid Forte gel) with pumpable grade aluminum hydroxide paste magnesium hydroxide paste and replacing methyl cellulose with hydroxyl ethyl cellulose as suspending agent, **Nasir Mehmood Mughal, M.Pharm., 1996.**
- Research on Herbomineral formulations ALG - 06 and Dermal Cream and ALG - 06 oral. Dosage form used against *Leucoderma.*, **Muhammad Usman, M.Pharm., 2008.**

- Comparative Pharmacognostic Studies of Wound Healing Drugs used *Calendula officinalis* and *Tagetes* species. **Tayyaba Mumtaz, M.Pharm., 2009.**
- Comparative Stability Studies of Herbal Drugs (Memorgin - DC) Tablet with Market available brand (Tanakan) Tablet. **Majid Feroz, M.Pharm., 2009.**
- Phytochemical Analysis of Fatty Acids Components of the Seeds of *Parkinsonia aculeate* L. and *Bombax ceiba* L. by using GC-MS Technique. **Khawaja Saleem Mehdi M.Pharm., 2010.**
- Chemical Examination by GC-MS of the Seed Oils of *Leucaena leucocephala* (Lam.) De Will Grown in Karachi City. **Kashif Naseem, M.Pharm., 2010.**
- Research on the Herbal Formulation Hectasor Ointment Topical Dosage Form used against *Psoriasis* **Anila Sikandar, M. Pharm., 2010.**
- Pharmacognostic Studies of Plant *Dalbergia sisso* (Roxle), **Sohail Khan, M.Pharm., 2012.**

M.Phil

- Phytochemical and Pharmacological Studies on Medicine Plant *Clitoria ternatea* Linn., **Tahira Zafar Khan, M. Phil., 1997.**
- Phytochemical and Biological Studies on Medicinal plant *Ixora coccinea* Linn., **Kishwar Jabeen, M.Phil., 1997.**
- Isolation and Structure Elucidation of Natural Compounds occurring in Medicinal Plant *Callophyllum inophyllum* Linn., **Shaukat Mahmood, M. Phil., 1997.**
- Chemical Investigations and Biological Studies on Medicinal Plants. *Mimosops elengi* L. and *Piper longum* L., **Mohammad Arshad Yaqoob, M. Phil., 1999.**
- Pharmaceutical and Cosmeceutical Preparation of Medicinal Plants, *Coccinia grandis* L. *Psidium guajava* and *Digera muricata* L, **Umbreen Furrugh, M.Phil., 2000.**
- Chemical Investigation and Biological studies on medicinal plants *Cadiospermum Halicacabum* and *Operculina turpethum* L., **Huma Shareef, M.Phil., 2007.**
- Effect of herbal drugs, *Vitex* supp. *Saraca indica*, *Symplocos racemosa*, *Embeica officinalis* for balancing of hormones. **Sumaira Ishaq, M.Phil., 2009.**
- Standardization of Some Market available Herbal Drugs used in Folk Medicine. **Zeeshan Haider, M.Phil., 2009.**
- Preparation and Evaluation of Weight-reducing effects of Reducin and Umare it with Market available weight-reducing agents through Phytopharmacological studies against obesity, **Kiran Saroor, M.Phil., (In progress). (2015)**

Ph.D (Degree Awarded)

- Phytochemical and Pharmacological Studies on the Bark of *Holarrhena pubescens* (Buch., Ham)., **Syed Tahir Ali, Ph.D., 2009.**
- Pharmacological and biological studies on *vitex* species and *Holoptelea integrifolia* (Roxb.) Planch with special reference to gynecological problems. **Shaukat Mehmood, Ph.D., 2009.**
- Phytochemical and Biological Studies and Clinical Trials of Medicinal Plant *Holoptelea integrifolia* (Roxb.) Planch extract in Cutaneous Leishmaniasis, **Maryam Ahmed, Ph.D., 2012.**
- Phytopharmacological Studies on Medicinal Plants *Ricinus communis L.*, *Delonix regia* and *Trigonella foenumgracum L.* **Raheela Khursheed, Ph.D., 2013.**
- Studies on Heavy Metal Detection in Some Most Commonly used Traditional Herbal Medicines used in Respiratory Tract Infections, **Bushra Hina, 2013.**
- Phytochemical and Pharmacological Investigations on Some Traditional Herbs, *Ipomea turpethum L.*, *Cardiospermum halicacabum L.* and *Sesbania grandiflora L.*, **Huma Shareef, 2013.**
- Phytochemical and Pharmacological Studies on *Hibiscus schizopetalus* (Mast) Hook and *Mimusops elengi L.*, **Hina Zahid, 2014.**
- Pharmacological and Pharmacognostic studies of a *Lactuca sativa* *Hibiscus rosasinensis L.* and *Onosma eciodes L.*, **Leena Khalid, 2014**
- Antimicrobial, Toxicological, Pharmacognostic and Phytochemical Evaluations of Some Medicinal Plants. **Mahwish Karim Ahmad, 2015**
- Studies on the effects of herbomineral formulations ALG-06 dermal cream and oral dosage from on vitiligo patients. **Ambreen Huma, 2015**

Ph.D. Theses to be Submitted in Year 2016.....

- Phytochemical and pharmacological studies on medicinal plants *Adenanthera pavonina*, *Convolvulus arvensis*, *Cissus quadrangularis*, *Cassia auriculata* and *Lepidium sativum*. **Amir Shadmani, 2015**
- Phytochemical, nutraceutical and Pharmacognostic studies on *Adansonia digitata L* and *Lactuca sativa* **Mohammad Ayaz, 2015**
- Assessment of various feminine disorders in PCOS by a polyherbal formulation. **Sumaira Ishaq, 2015**

M.Phil/Ph.D Students Thesis in Progress

- Phytopharmacological studies of *Dalbergia sissa* (Roxb) and *Caralluma tuberculata* N.E.Br. Ph.D. **Ejaz Ali**
- Standardization of some market available herba drugs by molecular marker (DNA finger printing) and detection of pesticidal residues and heavy metals. **Zeeshan Haider**
- Phytochemical and Pharmacognostic studies of some medicinal plants used in antiarthritic preparation and comparative account with their adulterants available in the market. **Nasir Mehmood Mughal**
- Pharmacokinetics, Pharmacology and Pharmacognostic studies on medicinal plants *Camellia sinensis*, *Lonicera kuntzei* and *Eymbopogon citraltis* (D.C) stapf (Graminae) cultivated in Pakistan. **Muhammad Kamran**
- Phytopharmacological and biological evaluation of fruits of *Holoptelea integrifolia* (Roxb.) Planch. **Affan Zahid**
- Phytochemical and pharmacological studies of plants *Admsonia digitata* L. and *Crataeva adamsonia* L. grown in premises of Karachi district. **Tayyaba Mumtaz**
- Phytopharmacological and cosmetic studies on *Cephalandra indica*, *Psidium guajava* L.; *Cucumis melo* L. and *Citrullus lanata* L. **Umbreen Furrukh**
- Pharmacognostic and Phytopharmacological studies on various morphological parts of *Musa paradisiaca* L. Plants. **Khizar Abbas**
- Phyto pharmacological investigation of some medicinal plants of Pakistan with seasonal variations. **Madiha Khan**
- Phytochemical and biological studies of *Sesbania sesban* L. and *Leucaena lucocephala* (Lam.) De will grown in premises of Karachi city. **Kashif Naseem**
- Phytopharmacological and Toxicological studies of *Parkunsonia aculeata* L. and *Bombax ceiba* L. grown in premises of Karachi district. **Khawaja Saleem**
- Comparative chemical, Pharmacological and toxicological studies on frequently used in Eye cosmetic “Ashmad” (antimony sulphide) and its commonly available market products among Saudi Arabian and Pakistani population as a Safe guard of eye infections, **Shadman Andalib**
- Chemical, Biological and Phytopharmaceutical Studies on Medicinal Plants *Adhatoda*, *Vasica* L. *Piper longum* L. and *Rosa domestica* mill and their Use in New *Antitussive Formulation Gsaphirine* syrup. **Muhammad Shahzad Ahmad**
- Toxicological evaluation of leaves extract of medicinal plant *Annona squamosa* L. **Zeeshan Hasan**

Supervision As Ph.D Co-supervisor

- **Uzma Anjum Siddique**, Evaluation of Antimicrobial Activities of Some Medicinal Plants. **M.Pharm., Department of Pharmaceutics, 2006.**
- **Sabiha Rabbani**, Studies on Bactericidal and Fungicidal Activities of Some Medicinal Plants. **M.Pharm., Department of Pharmaceutics, 2006.**
- **Aley Ali**, Antibacterial and Anti-Fungal Activities of Flowers of *Cassia fistula* and *Thuspesia* species. **M.Sc., Federal Urdu University, 2009.**
- **Syed Mussaraf Ali**, Chemical Analysis of Seeds of *Acacia nilotica* and *Clitoria turnatia* via Gas Chromatography. **M.Sc., Federal Urdu University, 2009.**
- **Yusra Shafiq**, Clinical Evaluation of Some Medicinal Plants in various common skin infections and their use in skin formulation. **Ph.D. Department of Pharmaceutics, 2015.**
- **Ghazala Ishrat**, Logarithmic Transformation and Normality Assumptions in the Statistical Evaluation of Bioequivalence Data. **Ph.D., Thesis, Department of Pharmaceutics, 2012** (in progress).
- **Dr. Mohd. Azhar Mughal**, Evaluation of Anti-diabetic Activity of Some Indigenous Medicinal Plants. **Ph.D. Thesis, Department of Pharmacology 2012** (in progress).
- **Syed Zohaib Ahmed**, Phytopharmaceutical evaluation of various extracts of *Carica papaya* L. against at engue fever Ph.D **Department of Pharmaceutics, 2014** (in progress).
- **Ziaullah**, Phytopharmaceutical Studies on Medicinal Plants *Picea smithiana* (wall) boiss, *Leucogens leontitopodum* (hook) and *Potentilla sericophylla* (paker). **Department of Pharmaceutics, 2014** (in progress).
- **Raana Mehmood Zafar**, Detailed Pharmacological evaluation of *Cardiospermum halicacabum* L. leaves and comparative account of seeds of *Cuminum nigrum* with *Canthartheaum anthelminticum* L. **Ph.D, Department of Pharmacology, 2014** (in progress).
- **Amir Hassan**, Phytochemical and biological studies on traditounally used medicinal plants Ph.D **Department of Pharmaceutical Chemistry, 2014** (in Progress).
- **Mehwish Furrukh**, Phytochemical studies on Alpha-amylase and Alpha-glucosidase in various plants and their impact on human health with special reference to GIT disorders, **Department of Pharmaceutical Chemistry, 2015** (in Progress).
- **Nausheen Ali**, Nanomedicines combination of medicinal plants targeting Beta langar han cells for the treatment of Diabetes and Hepatic cancer, **Department of Pharmaceutical Chemistry 2015** (in progress).

Seminars & Conferences

➤ Organized

1. Organized First National Herb Medicines and Therapeutics as Joint Secretary of Pakistan Society of Pharmacognosy, Karachi, **March 29, 1997**,
2. Organized Second National Conference on Herb Medicines and Therapeutics as Joint Secretary of Pakistan Society of Pharmacognosy, Karachi, **27th November, 1999**.
3. Organized a One-day National Symposium on “A tool to enhance patient care” at Reagent Plaza, Karachi, **January 13, 2010**.
4. Organized 5th Pharmacognosy conference on “Current Challenges in Medicine and Therapy in **2010**.”
5. Organized Silver Jubilee Celebration of Pakistan Journal of Pharmaceutical Sciences on **January 23, 2012**, Pharmacy Auditorium, University of Karachi.
6. Launching Ceremony of First Bimonthly Number of Pakistan Journal of Pharmaceutical Sciences and Seminar on “Innovative Contribution of Pharmaceutics in Collaborative Pharmacy Practice” on **February 2, 2013** at Pharmacy Auditorium, University of Karachi.
7. Multiple seminars and programs was organized thourg -onl- the year 2014 in golden jubilee celebration along with Catalouge and of Pharmacy and Special issue PJPS.
8. 6th National Pharmacognosy Confefence on “Healthcare Concerns and Phytotherapies” Organised by Faculty of Pharmacy, University of Karachi, Pharmacy Auditoruim on June 26th, **2014**.

➤ Lectures Presented

1. Presented a Research Paper in 21st National Urdu Science Conference at Bahawalpur Islamic University on Chemical Investigation on *Oldenlamdia retros*, Scientific Society of Pakistan, **1982**.
2. Presented a paper on *Caralluma tuberculata*: Its biology and chemistry in 1st International Conference of pharmaceutical science 2nd-5th Jan, **1997**.
3. Presented a paper in 1st National Conference 2002 on Forensic Sciences Environmental and Applied/Toxicology/Hepatitis/HIV, Organized by Sindh Medical College and National Position Control Center (WHO), on Toxicology of Herbal Drug in Human Beings, JPMC, Karachi, May 28-29th, **2002**.
4. Presented a paper in Central Homeopathic College (Golden Jubilee Certificate 2002) on *Berberis*; A Multidimensional Homoeopathic Drug, June 15, **2002**.
5. Extensive lecture was delivered in the Institute of Clinical Psychology, University of Karachi on Role of Herbs in Neurological Disorders, July 13, **2002**.
6. Third Biennial National Conference on Pharmacology and Therapeutics under the auspices of Pakistan Pharmacological Society and Hamdard University, Jan. 14 & 17, **2005**.

7. Presented a paper entitled “Herbal Formulation Hectapsor ointment used against psoriasis” on organized by Pakistan Society of Pharmacognosy and Natural Therapy at P.C. Hotel. July 10, **2010**.
8. Presented Lecture on New Trends in Complementary and Alternative Medicine in One-day International Symposium on Tool to Enhance Patient Care at Reagent Plaza, Karachi, January 13, **2011**.
9. Extensive Lecture was delivered in Silver Jubilee Celebration on Merits and Demerits of Herbal Medicines at Baqai Medical University, Karachi, November **2011**.
10. Lecture presented on faculty acid profile of sesbania grandiflora L. seed oil by GC-MS in Int. Conferc. On current Technologies in oil and fats March 21-23. (**2011**).
11. Presented Paper in 1st National Conference of Pharmacy at Dow University of Health Sciences on Herb Drug and Food Interaction and their Consequences on Our Health, May 2, **2012**.
12. Role of Herbs in Osteoporosis, Lecture presented on World Osteoporosis Day, Organized by National Academy of Young Scientists, Pakistan (NAYS) at Pharmacy Auditorium on October 20, **2012**.
13. Back to Future through Green World. Attended this Seminar as expert on 26th May **2013**. Himont Company.
14. Herbs and herbal products standardization an overview 14th Asian symposium on medicinal plants spices and other natural products, Dec, 2 **2013** (Karachi) (50th anniversary event)
15. Intercutol ointment against cutaneous leous reishmaniasis a randomized clinical trial of herbal formulation in 32nd PAD conference of dermatology, Dec, 13 **2013**
16. Gyburene cream in management of Aene vulgaris in 32nd PAD conference of dermatology, Dec, 13 **2013**.
17. Course conducted as resource person on identification and recognition of herbal drugs used for health benefits on 17-18 April **2014** in sardar yasin malik professional development redirects, university of Karachi, Karachi.
18. Elhical behavior in current publication senerio presented in first annual meeting of asian council of science editors on 14th august **2014** in Sheraton dubai creek hotal towers Dubai.
19. Regulatory Issues of Herbal Medicine in Pakistan. Ghazala H. Rizwani, Presented in Ziauddin University Conference in **2014**.
20. Two days National Conference on “Applide Aspects of Pharmaceutical Sciences in patient Care” June 18-19. **2014** Use of Herbal extracts in oral Hygiene.
21. Antimicrobial and antioxidant activities of methanolic extracts of tracheal fluid of *Musa paradisiacal* L. Khizar Abbas, Ghazala H. Rizwani, M. Imran Qadir, Hina Zahid. 1st International Conference on recent Innovations in Pharmaceutical Sciences, March 3-5th **2015**.

22. A Naturopathic Approach in Nephrotic Ailments in Pakistan Central Homoeopathic Medicinal College + Hospital Symposium on Renal dis orders, 15th March **2015**.

➤ **Participated**

- 1st International Symposium on Natural Products Chemistry in Karachi, Pakistan December, **1987**.
- 1st International Symposium on Spectroscopy in Karachi, Pakistan, December, **1987**.
- 4th International Symposium and Pakistan US. Bi-National Workshop on Natural Products Chemistry in Karachi, Pakistan, January, **1990**.
- 19th IUPAC Symposium on the Chemistry of Natural Products in Karachi, Pakistan January, **1994**.
- Second National Conference on Pharmacology and Therapeutics 1996, presented One Research Paper on Stability Studies Filmacid Forts Gel Tablet Preparation, Pakistan.
- Participated in a Seminar on Awareness of Diabetic problems and their solution as member of the Department of Pharmacognosy, Faculty of Pharmacy, University of Karachi, Karachi, 7th November **1997**.
- Participated in National Workshop on Techniques in Molecular Genetics Cutting Edge Seminar Series Organized by Department of Genetics, University of Karachi, Karachi, April 1-10, **1999**.
- 1st National Workshop/Seminar on Globe Recognition of Patent System at Institute of Industrial Electronics Engineering (IIEE) Dec 13-14, **2006**.
- One day National Conference on Quality of Responsible Education in Pakistan (PIQC) on at HEJ Auditorium, University of Karachi. October 6, **2012**.

Poster Presentation

1. Standardization of dried flowers of *moringa oleifera* (Lamk.) and *Jasminum sambac* L. Ait., according to WHO guideline. MADhia Khan, **Ghazala H. Rizwani**, Hina Zahid, Salima Essani, Hera Hyder, Noureen Ali, Sara Jabeen. **2014**
(Poster presentation)
2. **Ghazala H. Rizwani** Huma Shareef. Herbs and herbal product standardization: An overview. 14th Asian symposium on medicinal plants and spices. **2013**
(Oral presentation)
3. Huma Shareef, **Ghazala H. Rizwani**. A polyphenol, Protocatechuic acid form *Cardiospermum halicacbum* Linn. 13th International symposium on Natural product chemistry, September 22 - 25, **2012**, Karachi, Pakistan.
(Poster presentation)
4. Huma Shareef, **Ghazala H. Rizwani**, Raheela Khursheed, Leena Khalid and Shaukat Mahmud. Standardization of roots of *Operculina turpethum* Linn. 3rd Symposium on

“Pharmacist: A need of Health care system”. Organized by Ziauddin College of Pharmacy, Ziauddin University. 28th April, **2012**.

(Poster presentation)

5. Leena Khalid, **Ghazala H. Rizwani**, Raheela Khursheed and Huma Shareef. Antibacterial and antifungal activity of *Onosma echoides* Linn. 3rd Symposium on “Pharmacist : A need of Health care system”. Organized b Ziauddin College of Pharmacy, Ziauddin University. 28th April, **2012**.
(Poster presentation)
6. Raheela Khursheed, **Ghazala H. Rizwani**, Huma Shareef and Leena Khalid. Pharmacognostical standardization of flower of *Delonix regia* (Bojer hook) Raf. 3rd Symposium on “Pharmacist: A need of Health care system”. Organized b Ziauddin College of Pharmacy, Ziauddin University. 28th April, **2012**.
(Poster presentation)
7. Fatty Acid Profile of *Sesbania grandiflora* Linn. Seeds oil by GC-MS. Huma shareef, Kashif Nassem, Iffat Mahmood and **Ghazala H. Rizwani**. **International Conference on Current Technologies in Oil and Fats**. Organized by National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan. March 21-23, **2011** (Oral Presentation).
8. Hypotensive effect of *Cardiospermum halicacabum* Linn. in anesthetized rats. Huma Shareef, Ahsana Dar and **Ghazala H. Rizwani**. 15th ISCB International Conference of Indian Society of Chemists and Biologist. 4-7 Feb, **2011** (Poster presentation).
9. Antibacterial, Anti-mycelial and Phytochemicl Analysis of Some Traditionally used Medicinal Plants of Pakistan. Huma Shareef, Raheela Khursheed, Asia Naz, Maryam Ahmed and **Ghazala H. Rizwani**. **3rd International Symposium-cum-Training Course** on Molecular Medicine and Drug Research (MMDR-3). January 03-06, **2011** (Poser Presentation).
10. Pharmacological Investigation of Methanolic Extract of *Ulmus integrifolia* Roxb. Maryam Ahmed, Raheela Khursheed, Huma Sareef, Shauakat Mahmood and **Ghazala H. Rizwani**, **3rd International Symposium-cum-Training Course** on Molecular Medicine and Drug Research (MMDR-3). January 03-06, **2011** (Poser presentation).
11. Pharmacognostic Study on Leaves of *Ricinus communis*. Raheela Khursheed, Huma Shareef, Fareeda Begum and **Ghazala H. Rizwani**. **5th Pharmacognosy Conference** on Current Challenges in Medicine and Therapy, 10th July **2010**.

PUBLICATIONS

International Journals

S. No.	International Journal	Country	Year	Published 3 #
1.	Scientia Pharmaceutica	Austria	1983	1
2.	Med. J. Islamic Republic of Iran	Iran	1997	1
3.	Fitoterapia	Italy	1988	1
4.	J. Natural Products	USA	1988	2
5.	Spectroscopy Letter	USA	1993	1
6.	J. of Natural Products	USA	1990	1
7.	Natural Product Letters	USA	1993	1
8.	Phytotherapy Research	UK	1995	1
9.	J. Fac. Pharm Gazi	Turkey	1994	1
10.	Die Pharmazie	Germany	1995	1
11.	J. Pharmaceutical Biology	UK	1999	1
12.	Phytochemistry	USA	1999	4
13.	Natural Product Chemistry	USA	2001	1
14.	Heterocycles	Japan	2003	1
15.	Inventi impact: Ethnopharmacology	India	2011	1
16.	J. of Pharm. and Pharmaceutical Sciences	India	2011	1
17.	International J. of Pharmacy and Bio Archives	India	2012	2
18.	Journal Of Medicinal Plant Research	India	2012	1
19.	International Journal of Natural Product Sciences	India	2012	1
20.	Romanian Biotechnological Letters	Romania	2012	1
Total International Publications				28

National Journals

1.	J. Pharm. Uni Kar. (Former) Journal of Pharmaceutical Science	Pakistan	7
2.	Pak. J. Pharmacology	Pakistan	3
3.	Hamdard Medicus	Pakistan	4
4.	Proceeding of Conferences	Pakistan	23
5.	J. Chemical Society	Pakistan	1
6.	Pakistan J. Botany	Pakistan	6
7.	Jour. of Baqai University	Pakistan	2
8.	JMPA	Pakistan	1
Total National Publications			50

PUBLICATIONS

1. Chemical Constituents of Medicinal Plant *Oldenlandia retrorsa* Boiss. K. Usmanghani, **Ghazala H. Rizwani**, U.V. Ahmad and A. Hussain. *Scientia Pharmaceutica* **51**: 403 (1983), **Austria**
2. Triterpene Constituents from the Whole Plant, *Sarcostemma stocksii*. K. Usmanghani, Z. Bano **Ghazala H. Rizwani** and M. Ahmad, *J. Pharm. Univ. Kar.*, **5**(1): 55 (1986), Pakistan
3. Chemical Investigation of Medicinal Herb *Caralluma tuberculata* K. Usmanghani, **Ghazala H. Rizwani** and M. Ahmad, *J. Pharm Univ. Kar.*, **5**(2): 133 (1987) Pakistan.
4. New pregnane Glycosides from *Caralluma tuberculata*, V.U. Ahmad K. Usmanghani and **Ghazala H. Rizwani**, *J. Nat. Products*, **51**(6): 1092 (1988), **U.S.A.**
5. Isolation and Structural Studies on Chemical Constituents from some Plants and Marine Organisms of Pakistan, V.U. Ahmad, M.S. Ali, N Bano, Fatima I, Fatima K, Fizza, T.A. Farooqui M. A. Khan, S. Perveen, S. Qazi, T. Rashed, **Ghazala H. Rizwani**, V. Sultana K. Usmanghani and Shafiuddin, *Natural Product Chemistry*, 111-355 (1988), **U.S.A.**
6. Constituent of *Sarcostemma stocksii*. K. Usmanghani, Z. Bano G.H. Rizwani, M. Ahmad and V.U. Ahmad, *Fitoterapia*, LX (3): 351 (1988), **Italy**.
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71. Spasmodic activity of the water extract of leaves of *coccinia grandis* L. in rabbit smooth muscles, Umbreen Farrukh, **Ghazala H. Rizwani** (Submitted 2015).
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(Poster presentation)
13. **Ghazala H. Rizwani** Huma Shareef. Herbs and herbal product standardization: An overview. 14th Asian symposium on medicinal plants and spices. 2013
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(Poster presentation)

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18. Fatty Acid Profile of *Sesbania grandiflora* Linn. Seeds oil by GC-MS. Huma shareef, Kashif Nasseem, Iffat Mahmood and **Ghazala H. Rizwani**. **International Conference on Current Technologies in Oil and Fats**. Organized by National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan. March 21-23, **2011** (Oral Presentation).
19. Hypotensive effect of *Cardiospermum halicacabum* Linn. in anesthetized rats. Huma Shareef, Ahsana Dar and **Ghazala H. Rizwani**. 15th ISCB International Conference of Indian Society of Chemists and Biologist. 4-7 Feb, **2011** (Poster presentation).
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3. Role of Nutrition in Cancer in Pharmacy Magazine “**Pharmaguide**” presentation of the Pharmacist (A Group of the Tragedians), **1992**.

4. Herb Drugs and its Fascination in Pharmaa souvenir, published by Faculty of Pharmacy, University of Karachi, **1993**.
5. Homeopathic Pharmacy in Our Country, Pharmatimes Souvenir, **1994**.
6. Metal Hazards, Pharmalite, **1995**.
7. Natural Products in Cosmetics A New Trend, Medizone, **1996**.
8. Herbal Immunotherapeutic Agents, Khazeena-e-Adivah, 98 in **1998**.
9. Marine Organism: A Rich source of Medicinals, Souvenir 97, Guardian of the Public Health, "Eurekon" **1997**.
10. Sugar Free Sweeteners, Karvaan, **2000**.
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13. Herbal Immunotherapeutic Agents.
14. Herbal Drug Garlic: "A Commander of Kitchen Cabinet", In Light of present research findings by Ghazala H. Rizwani in 4th Annual Drown of Pharmacia 2003-2004. *Pharmacia* **2003**.
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16. Twins of Allium genus of Liliaceae family and their Magnificent Role on Health. *Jalisi Sehat* **2011**.
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18. Polycystic ovarian syndrome PCOS, *Jalees-e-Sehat* an International Magazine, 77-80, **2011**.
19. KU Pharmacist – Introducing Biomedicine to Cure Diseases Research, *The Academic Leadership*, An official publication of University of Karachi, page 7 (**2013**).
20. Amazing Facts of Different Tastes and Ideal Health, Ghazala H. Rizwani, *Jaleesi Sehat*, 2014.

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2. Proceeding of 1st National Conference on "***Herb, Medicines and Therapeutics***" Edited by Mansoor Ahmad and Ghazala H. Rizwani, Pakistan Society of Pharmacognosy, Department of Pharmacognosy, Faculty of Pharmacy, University of Karachi, Karachi, Pakistan, **1997**.
3. **Standardization of Medicinal Herbs of Pakistan, Volume I**, Ghazala H. Rizwani and Hina Zahid, Z.H. Process, Karachi, Pakistan, **2014**.
4. **Standardization of Medicinal Herbs of Pakistan, Volume II**, Ghazala H. Rizwani and Hina Zahid, Z.H. Process, Karachi, Pakistan, **2015**.
5. **Emerging Trends on Phytochemical and Phytomedicinal Research**, Ghazala H. Rizwani, Z.H. Process, Karachi, Pakistan, **2015**.
6. **Clinical Pharmacognosy (Commonly used Culinary Herbs with their Amazing Health Benefits)**, Ghazala H. Rizwani, Z.H. Process, Karachi, Pakistan, **2015**.

Publication within Five Years (2011-2015)

S.No	Year	Research Papers			Total	Grand Total
		Published	Submitted	Accepted		
1.	2011	2	1	-	3	72
2.	2012	9	-	-	9	
3.	2013	14	2	-	16	
4.	2014	18	6	3	27	
5.	2015	7	10	-	17	