

# Dr. Shabnam Javed

(Assistant Professor)

Centre for Undergraduate Studies,  
University of the Punjab,  
Lahore, Pakistan.

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## ACADEMIC QUALIFICATIONS

**Ph.D. (2010-2016)** in Chemistry, from Institute of Chemistry, University of The Punjab, Lahore, Pakistan, joined Medicinal Chemistry and Natural Products Research Group at LJMU, Liverpool, England, UK and ICCBS International Centre for Chemical and Biological Sciences, Karachi to complete part of Doctoral studies.

**Thesis entitled:** Phytochemical Investigation and Bioanalysis of *Monothecha buxifolia* and *Sorbaria tomentosa*.

**M.Phil. (2005-2008)** in Chemistry, from Institute of Chemistry, University of the Punjab, Lahore, Pakistan.

**Thesis entitled:** Isolation and Characterization of Albumin-BCG Dye Complex.

**M.Sc. (2002-2004)** in Chemistry, from Institute of Chemistry, University of the Punjab, Lahore. Pakistan.

**Thesis entitled:** Pharmacological Evaluation of *Citrus limetta* Peel Oil.

## PROFESSIONAL EXPERIENCE

**Assistant Professor**, Centre for Undergraduate Studies, University of the Punjab from 14 July, 2016 up till now.

**Lecturer**, Centre for Undergraduate Studies, University of the Punjab from April 2013 up till 13 July, 2016.

**Lecturer**, Herbal Heritage Centre, Institute of Agricultural Sciences, University of The Punjab, from 01-06-2008 up till 22-04-2013.

**Lecturer**, Gulberg College for Women Lahore. 2006-2007.

## AREA OF RESEARCH

### **Phytochemistry, Process Design and Industrial Units Fabrication & Herbal Pharmaceutical Products**

- *Aloe vera* Gel/Juice process Design and Pilot Plant Fabrication Large
- Large Scale Extraction of Essential Oils.
- Phytochemical Investigation & Bioactivity of Medicinal Plants
- Cytotoxicity evaluation against human cancer cell lines

## RESEARCH ACHIEVEMENTS/ACADEMIC AWARDS

- **HEC, TDF Awarded PKR: 14 Million Grant in 2018**  
HEC project Establishment of Technology Development Fund (TDF) has awarded worth PKR: 14 Million to Dr. Shabnam Javed in 2018-2020 to her project.
- **Scholarship to England**  
University of the Punjab awarded Scholarship to England to join the Medicinal Chemistry and Natural Products Research Group at LJMU, Liverpool, United Kingdom to complete part of Ph.D work.
- **Best Dedicated Student Prize on Innovation ; worth Rs. 500,000/-** Shabnam Javed won Best Dedicated Student Prize; worth Rs. 500,000/- for Toyota Manufacturing Innovation Challenge 2013-14, held all over Pakistan. The prize was given on behalf of her project “Low Cost Extraction of Essential oils from Nature for Medicines, Flavor, Perfumes, etc” awarded by Minister for Planning, Development and Reform Prof. Ahsan Iqbal in Pakistan Innovation Forum at Serena Hotel Islamabad; 16<sup>th</sup> October, 2014.  
<http://pu.edu.pk/home/section/allpress/4140>
- **Innovation Award**  
Shabnam Javed on behalf of low cost pharmaceutical herbal production technologies and Commercialization, won “Innovation Award” in 3<sup>rd</sup> Invention to Innovation Summit March 19-20, 2014 held at University of the Punjab.
- **Innovator of Punjab University at Vice Chancellor Forums**  
She has been selected as innovator to present Punjab University at the Vice Chancellor’s Forum 2013 and 2015 at Sarena Hotel Islamabad, consecutively two times.
- **Won first position in Arabic language course**  
Punjab University organized the four months Arabic language course at Arabic Department, University of the Punjab 2016-17 where teachers of PU participated from all over University of the Punjab.
- **Arabic Diploma**  
She has successfully completed one year Arabic diploma at Arabic Department, University of the Punjab, 2017-18.
- **Khaasa Part-1, Tanzeem ul Madaris Ahle Sunnat Pakistan**  
She has successfully completed Part I of Khaasa with securing 90% marks from Tanzeem ul Madaris Ahle Sunnat, Pakistan 2017-18.
- **Honor of Invitation and Working with Ex-Chairperson HEC**

She has also find honor to be invited by ex-chairperson HEC Dr. Atta ur Rahman, Natural Product Chemist for research in the prestigious institute, International Centre for Chemical and Biological Sciences, Karachi.

- **High Quality *Aloe vera* Gel/ Juice Production and its Commercialization**  
A pilot plant has been fabricated having running capacity of 40 kg gel and net production of 100 kg gel per day and in process of commercialization.
- **Pioneer and Principal Investigator of *Aloe vera* Project at PU**  
She is the pioneer of *Aloe vera* project since 2008 and now at Center for Undergraduate Studies.
- **Essential oil Equipment Construction:** A large scale cost effective extraction unit is fabricated according to standardized technique.
- **Establishment of *Aloe vera* Laboratory at Centre for Undergraduate Studies, PU.**  
*Aloe vera* laboratory is under process of establishment, where large scale *Aloe vera* processing unit has been installed.
- **Sale Point Established for *Aloe vera* Gel, Juice and Essential Oils.**  
A sale point has been established at ORIC, PU where customers are purchasing *Aloe vera* gel , juices and essential oils at much cheaper rate than market.
- **Third Position holder in M. Phil Chemistry** from Institute of chemistry, University of The Punjab, Lahore.
- **Governor scholarship** on basis of high first division in B.Sc was awarded in 2003 from University of The Punjab, Lahore.
- **Multan Board awarded scholarship** on securing excellent marks in 8th class.

## SCIENTIFIC RESEARCH SUMMARY

1. **Books published: 3**
2. **Research Paper Publications: 13** International, **4** National
3. **Country visited:** Saudi Arabia, Malaysia, England
4. **Abstracts Published in conference Abstract Book: 28**
5. **Seminars/Workshops/Conferences attended: 32**
6. **Total No of Stall display: 8**
7. **Research Projects : 10**
8. **Research students supervised: 11**  
M.Phil **2**, M.Sc **2**, B.Sc/BS. **7**
9. **Publish newsletters 2**
10. **Total No of Stall display: 10** (8 National + 2 International)

## Books International (Published)

- **Shabnam Javed** and Atta-ur-Rahman (2014). *Aloe vera* gel in food, health products & cosmetics Industry, “Studies in Natural Product Chemistry” (Elsevier Science Publishers, Netherlands) SNPC Volume 41 (1) Chapter No. 9: 261-285.
- Sehrish Iftikhar, **Shabnam Javed** (2011). Phytochemical and Antifungal analysis of *E citriodora* L. extracts. ISBN 978-3-8465-4469-3, 56 Pages.[www.amazon.com](http://www.amazon.com).
- **Shabnam Javed** and Dr. Rauf Ahmad (2012). Phytochemical Investigation of *Citrus limetta* Peel Oil. 978-3-8484-9789-8, 89 pages.[www.amazon.com](http://www.amazon.com).

## Research Paper Publications:

### International (Published)

1. Saba Khurshid, Dr. Arshad Javaid, Amna Shoaib, **Shabnam Javed** and Uzma Qaisar (2018). Antifungal activity and GC-MS analysis of aerial parts of *Cenchrus pennisetiformis* against *Fusarium oxysporum* f. sp. *lycopersici*, *Planta Daninha* (In press).
2. **Shabnam Javed**, Ikpefan E. Oise, Lutfun Nahar, Fyaz M. D. Ismail, Zaid Mahmood and Satyajit D. Sarker (2016). Isolation, Identification and Antiproliferative Activity of Triterpenes from the Genus *Monothecha* A. DC. *Records of Natural Products*. 10(6):782-787.
3. **Shabnam Javed**, Amna Javaid, Zaid Mahmood, Sobia Mushtaq and Sehrish Iftikhtar (2012). Analysis of Phytochemical Constituents of *Eucalyptus citriodora* L. Responsible for Antifungal Activity against Post Harvest. *Natural Product Research*. 26(18):1732-1736.
4. **Shabnam Javed**, Ayesha Javaid, Shaista Nawaz, M. K. Saeed, Zaid Mahmood, S. Z. Siddiqui and Rauf Ahmad (2014). Phytochemistry, GC-MS Analysis, Antioxidant and Antimicrobial Potential of Essential Oil from Five *Citrus* Species. *Journal of Agricultural Science*. 6(3): 201-208.
5. Sehrish Iftikhar, **Shabnam Javed**, Idrees Ahmad Nasir and Bushra Tabassum (2013). Essential Oils and Latices as Novel Antiviral Agent against Potato Leaf Roll Virus and Analysis of Their Phytochemical Constituents Responsible for Antiviral Activity, *Journal of Agricultural Science*. 5(7): 167-188.
6. **Shabnam Javed**, Rauf Ahmed, Khurram Shahzad, Shaista Nawaz, Salman Saeed and Yasar Saleem, (2013). Chemical constituents, antimicrobial and antioxidant activity of essential oil of *Citrus Limetta* var. Mitha (sweet lime) peel in Pakistan. *African journal of Microbiology Research*, 7(24): 3071-3077.

7. **Shabnam Javed**, Rauf Ahmad, Shaista Nawaz and Salman Saeed (2012). Comparative studies on The Hypocholestrimic Effect of Branded and Conventional Yoghurt. *Health MED.* 7(1):92-97.
8. Muhammad Khalid Saeed, Rauf Ahmad, **Shabnam Javed**, Yulin Deng and Rongji Dai. (2013). Hypoglycemic and hypolipidemic effects of *Cephalotaxus sinensis* in STZ induced diabetic rats, *Journal of Medicinal Plants Research.*7 (19): 1310-1316.
9. **Shabnam Javed**, Amna Javaid, Zaid Mahmood, Arshad Javaid and Fouzia Nasim (2011). Biocidal Activity of Citrus Peel Essential Oils against some Food Spoilage Bacteria. *Journal of Medicinal Plant Research.* 5(16): 3697-3701.
10. Sadia Ata, **Shabnam Javed** and Faiza Sattar (2011). Elemental profile of 24 Common Medicinal Plants of Pakistan and its Direct Link with Traditional use. *Journal of Medicinal Plant Research.* 5(26): 6164-6168.
11. **Shabnam Javed**, Aysha Umeera, Rauf Ahmad and Sobia Mushtaq (2012). Nutritional, phytochemical potential and pharmacological evaluation of *Nigella Sativa* (Kalonji) and *Trachyspermum Ammi* (Ajwain) *Journal of Medicinal Plant Research.* 6(5), 768775.
12. Saima Siddique, **Shabnam Javed**, Shaista Nawaz, Zahida perveen, Rauf Ahmad Khan, Razia khanum and Khurram Shahzad. (2012), Volatile components and antimicrobial activity of *Citrus sinensis* var. mosammi leaves oil. *Journal of Medicinal Plant Research.* 6(11). 2184-2187.
13. **Shabnam Javed**, Sobia Mushtaq, Ibatsam Khokhar and Rauf Ahmad (2012). Comparative antimicrobial activity of clove and fennel essential oils against food borne pathogenic fungi and food spoilage bacteria, *African Journal of Biotechnology.* 11(94): 16065-16070.

#### National

14. **Shabnam Javed**, Arshad Javaid, Amna Shoaib, (2014). Herbicidal Activity of Some Medicinal Plants Extracts against *Parthenium hysterophorus* L. *Pak. J. Weed Sci. Res.* 20(3): 279-291.
15. Sobia Mushatq, Amna Ali, **Shabnam Javed**, Ibatsam Khokhar, Irum Mukhtar, (2012). In Vitro Comparative Screening Of Antibacterial And Antifungal Activities Of Some Common Weeds Extracts. *Pak. J. Weed Sci. Res.* 18(1): 15-25.

16. **Shabnam Javed**, Naureen Akhtar and Uzma Bashir, (2012).Comparative antifungal activities of processed and market *Aloe vera* gel. *Mycopath.* 10(2): 91-95.
17. **Shabnam Javed**, Muhammad Faisal Hayat, Muhammad Ahmad and Zeeshan Ahmad, (2015). Hypoglycemic activity of *Monothecca buxifolia* and isolation of the active constituents through bioassay-directed fractionation techniques, Asian journal of agriculture and biology, special issue, CLSR- Abstracts: 93.

### Conferences attended and presentation

#### International conference: 9

1. Presented poster at 1<sup>st</sup> Pharmaceutical Science Poster Event on 10<sup>th</sup> November 2015 at the Royal Pharmaceutical Society of Great Britain, London. England.
2. Presented paper in 5<sup>TH</sup> Global Summit on Medicinal and Aromatic Plants from 8-12 December (2013), In Miri Sarawak, Malaysia” at Marriot Hotel and Spa, Miri, Malaysia.
3. Presented poster at "Current Research in Chemical & Pharmaceutical Sciences” conference from 18-20th January (2017) at Forman Christian College, Lahore.
4. Presented poster at 13th Biennial Conference on Recent Advances & Challenges in Molecular Biology, Biochemistry and Biotechnology from 25-27 August (2016) at CIIT, Abbottabad.
5. Participated as innovator in Pakistan Innovation Forum 2014 Innovation Nation Promise and Challenges of Creating an Innovative Ecosystem at Serena Hotel, Islamabad. October 16, 2014.
6. Presented poster in 13<sup>th</sup> International Chemistry conference on Chemistry: The Vision for Emerging Sciences, October 20-22, 2014.Institute of Chemistry, University of the Punjab, Lahore, Pakistan.
7. Participated in Vice Chancellor's Forum 2013, Universities in the Islamic World; Challenges of Internationalization, Islamabad at Serena Hotel, Islamabad. September 23-24, 2013.

8. Presented poster in 12th International and 24th National Chemistry Conference, October 28-30 (2013), Bahauddin Zakariya University, Multan.
9. Presented paper in 4th International Symposium-Cum-Training Course on Molecular Medicine and Drug Research (MMDR-4), January 7 – 10, 2013. Dr. Panjwani Center for Molecular Medicine and Drug Research, University of Karachi, Karachi.
10. Presented paper in 13<sup>th</sup> International Symposium on Natural Product Chemistry, September 22-25, 2012. H.E.J Research Institute of Chemistry, International Centre for Chemical and Biological Sciences, University of Karachi, Pakistan.
11. Presented paper in International Conference on Safe Food and Human Health, January 10-11, 2012. GC University, Faisalabad, Pakistan.
12. Presented paper in 10<sup>th</sup> International and 22<sup>nd</sup> National Chemistry Conference November 21-23, 2011, Chemistry for Food and Energy, Department of chemistry and biochemistry, University of Agriculture, Faisalabad.

#### National Conference

13. Presented poster in 1<sup>st</sup> National Conference on Medicinal Plants Research held on 29<sup>th</sup> – 31<sup>st</sup> August 2018 at the Department of Chemistry, Karakoram International University, Gilgit, Pakistan.
14. Presented paper “Low Cost Extraction of Rose oil from Nature for Medicines, Flavor, Perfumes, etc” in “Invention to Innovation Summit- 2015”, 4<sup>th</sup> March, organized by Punjab University, in collaboration with Pakistan Science Foundation and Institute for Research Promotion. Al-Razi Hall, University of the Punjab, Lahore.
15. Attended Symposium on Bioequivalence and Bioavailability Studies 2014, organized by Centre for Bioequivalence Studies and Bioassay Research, International Centre for Chemical and Biological Sciences University of Karachi at Al Raazi Hall, Punjab University, Lahore. April 17, 2014.
16. Seminar on “Developing Local Food Additives/Preservatives” 5<sup>th</sup> Nov 2012, organized by IRP in collaboration with University of the Punjab (ORIC & Institute of Agricultural Sciences) and Pakistan Society of Food Scientists & Technologists (PSFST)-Lahore. Al-Raazi Hall, Undergraduate Block, PU.
17. 8<sup>th</sup> National Conference of Pakistan Phytopathological Society, November 28-29, 2011, University of Agriculture, Faisalabad.
18. Presented paper in 8<sup>th</sup> National Conference of Pakistan Phytopathological Society, November 28-29, 2011, University of Agriculture, Faisalabad.

19. Attended 18th National Chemistry Conference, 25-27 February, 2008, Institute of chemistry, University of the Punjab.

### Abstracts Published in conference Abstract Book: 28

1. **Shabnam Javed**, 2018. In Abstract book; “Bioassay-Guided Fractionation through Cytotoxic Activity of *Sorbaria tomentosa*”, 1<sup>st</sup> National Conference on Medicinal Plants Research held on 29<sup>th</sup> – 31<sup>st</sup> August 2018 at the Department of Chemistry, Karakoram International University, Gilgit, Pakistan.
2. **Shabnam Javed**, 2013. In Abstracts book; Large Scale Production of High Quality *Aloe vera* Gel, Safety Aspects And Commercialization by Cosmetics and Health Industries Academia Linkages, 5<sup>TH</sup> Global Summit on Medicinal and Aromatic Plants, from 8-12 December, In Miri Sarawak, Malaysia” at Marriot Hotel and Spa, Miri, Malaysia : 216.
3. Ayaz Butt, Muhammad Ajaib, Muhammad Ishtiaq, Fatima Izhar, **Shabnam Javed**, 2017. “Phytochemical Investigation and Antioxidant Potential of Ethanolic Extract of *Lindenbergia Macrostachya*”, Conventional and Modern Approaches in Plant Sciences, 28-29 November, In Department of Botany, University of the Punjab, Lahore, Pakistan.
4. Muhammad Changaiz, Muhammad Ajaib, Fatima Izhar, **Shabnam Javed**, 2017. “Antioxidant Activity of Ethanolic Extract of *Psammogeton Biternatum*”, Conventional and Modern Approaches in Plant Sciences, 28-29 November, In Department of Botany, University of the Punjab, Lahore, Pakistan.
5. **Shabnam Javed**, Satyajit D. Sarker, Lutfun Nahar and Andrew Evans, 2017: Cytotoxicity guided fractionation of *Sorbaria tomentosa* against human cancer cell lines, "Current Research in Chemical & Pharmaceutical Sciences from 18-20th January (2017) at Forman Christian College, Lahore.
6. **Shabnam Javed**, Andrew Evans, **Lutfun Nahar**, and **Satyajit D. Sarker**, 2016: Isolation, identification and cytotoxic activity of *Sorbaria tomentosa* , 13th Biennial Conference on Recent Advances & Challenges in Molecular Biology, Biochemistry and Biotechnology from 25-27 August (2016) at CIIT, Abbottabad.
7. **Shabnam Javed**, Muhammad Faisal Hayat, Muhammad Ahmad and Zeeshan Ahmad, 2015: Hypoglycemic Activity of *Monothecha buxifolia* and Isolation of the Active



Constituents through Bioassay-directed Fractionation Techniques” in Abstracts book; 4<sup>th</sup> International Molecular Biology and Biotechnology Congress & Conference on Life Sciences Research - September 04-06 at Isra University, Islamabad, Pakistan.

8. **Shabnam Javed**, 2014: Phytochemical Profile & Antimicrobial Potential of *Monotheca Buxifolia* Indigenous to Northern Area of Pakistan” In Abstracts book; 13<sup>th</sup> International Chemistry conference on Chemistry: The Vision for Emerging Sciences, October 20-22, Institute of Chemistry, University of the Punjab, Lahore, Pakistan.
9. **Shabnam Javed**, 2013: Processing Effects on Phytochemical and Biological Activities of *Aloe vera* Gel. 12th International and 24th National Chemistry Conference, October 28-30 (2013), Bahauddin Zakariya University, Multan.
10. **Shabnam Javed**, Rauf Ahmad & Shaista Nawaz, 2013: Herbal Drug for Treatment of Cardiovascular Disease" In Abstracts book; 4th International Symposium Cum Training Course on Molecular Medicine and Drug Research (MMDR-4), January 7 – 10, Dr. Panjwani Center for Molecular Medicine and Drug Research, University of Karachi, Karachi.
11. **Shabnam Javed**, Sehrish Iftikhar, Sabahat Zahra Siddiqui, 2012. Essential Oils and Latex as Novel Antiviral Agents against Potato Leaf Roll Virus (PLRV). In Abstracts book; 13<sup>TH</sup> International Symposium on Natural Product Chemistry, September 22-25, H.E.J Research Institute Of Chemistry, International Centre For Chemical And Biological Sciences, University of Karachi, Pakistan:201.
12. Sehrish Iftikhar, **Shabnam Javed**, Sobia Mushtaq, 2012. Monitoring of Antimicrobial Activity of Natural Products Using Molecular Marker. In Abstracts book; 13<sup>th</sup> International Symposium on Natural Product Chemistry, September 22-25, H.E.J Research Institute Of Chemistry, International Centre For Chemical And Biological Sciences, University of Karachi, Pakistan: 199.
13. Ayesha Javaid, **Shabnam Javed**, Zaid Mahmood and Sabahat Zahra Siddiqui, 2012. Large Scale Extraction of Essential oil from Citrus Peel Waste in Food Protection and Medicine: GC-MS Analysis of Citrus Essential Oils. In Abstracts book; 13<sup>TH</sup> International Symposium on Natural Product Chemistry, September 22-25, H.E.J Research Institute Of Chemistry, International Centre For Chemical And Biological Sciences, University of Karachi, Pakistan:115.
14. **Shabnam Javed**, 2011. Nutritional, Phytochemical potential & Pharmacological evaluation of *Nigella sativa* (Kalonji) & *Trachyspermum ammi* (Ajwain). In: Abstracts International Conference on “Emerging Issue in Food Safety” November 14-16, 2011,

National Institute of Food Science & Technology, University of Agriculture, Faisalabad, Pakistan.

15. **Shabnam Javed**, Sehrish Iftikhar and Nafisa, 2011. Comparative Physiochemical, Nutritional and Phytochemical Analysis of Processed *Aloe vera* gel with Unprocessed Local Gel Sample and Estimation of their Antimicrobial Activity, In Abstract book: 10<sup>th</sup> International and 22<sup>nd</sup> National Chemistry Conference November 21-23, 2011, Chemistry for Food and Energy, Department of chemistry and biochemistry, University of Agriculture, Faisalabad:133.
16. Rauf Ahmed, Khurram Shahzad, Shaista Nawaz, Salman Saeed, Yasar Saleem, Muhammad Khalid Saeed and **Shabnam Javed**, 2011. Chemical constituents, antimicrobial and antioxidant activity of peel essential oil of *Citrus limetta* var. Mitha (sweet lime) in Pakistan, In Abstract book: 10<sup>th</sup> International and 22<sup>nd</sup> National Chemistry Conference November 21-23, 2011, Chemistry for Food and Energy, Department of chemistry and biochemistry, University of Agriculture, Faisalabad: 128.
17. **Shabnam Javed**, 2011. Standardization of production technology for large scale extraction of essential oil from citrus peel waste, In Abstracts 8<sup>TH</sup> National Conference of Pakistan Phytopathological Society, November 28-29, 2011, University of Agriculture, Faisalabad: 101.
18. **Shabnam Javed**, 2011. Elemental Profile of 24 common Medicinal Plants of Pakistan and its Direct link with Traditional Use, In Abstract book: 10<sup>th</sup> International and 22<sup>nd</sup> National Chemistry Conference November 21-23, 2011, Chemistry for Food and Energy, Department of chemistry and biochemistry, University of Agriculture, Faisalabad:302.
19. **Shabnam Javed**, 2011 & Sehrish Iftikhar. Allelopathic Effects of extracts of some plants on germination and seedling vigour of abnoxious weed *Parthenium hysterophorus* L. In Abstracts 8<sup>TH</sup> National Conference of Pakistan Phytopathological Society, November 2829, 2011, University of Agriculture, Faisalabad: 107.
20. **Shabnam Javed** and SobiaMushtaq, 2011. Phytochemical investigation & in vitro comparative screening of antimicrobial activities of some common weed extracts. In Abstracts 8<sup>TH</sup> National Conference of Pakistan Phytopathological Society, November 2829, 2011, University of Agriculture, Faisalabad: 107.
21. Sehrish iftikhar & **Shabnam Javed**, 2011. Identification of Phytochemical constituents of *Eucalyptus citriodora* responsible for Antimicrobial activity Against Selected Pathogenic Organisms, In Abstracts 8<sup>TH</sup> National Conference of Pakistan

Phytopathological Society, November 28-29, 2011, University of Agriculture, Faisalabad: 108.

22. **Shabnam Javed**, 2011. Qualitative and Quantitative Phytochemical investigation of *Jasminum grandiflorum* Linn. (Chameli) polar extracts, Indigenous to Lahore Pakistan, In Abstract book: 10<sup>th</sup> International and 22<sup>nd</sup> National Chemistry Conference November 21-23, 2011, Chemistry for Food and Energy, Department of chemistry and biochemistry, University of Agriculture, Faisalabad: 303.
23. Anum Khaleeq, **Shabnam Javed** & Zaid Mehmood, Phytochemical, pharmacological & antioxidant potential of *Glycyrrhiza glabra* (Malathi) root extracts, In Abstracts 8<sup>TH</sup> National Conference of Pakistan Phytopathological Society, November 28-29, 2011, University of Agriculture, Faisalabad: 108.
24. **Shabnam Javed**, 2011. Pharmacological evaluation of *Syzygium aromaticum* (Clove) and *Foeniculum vulgare* (Fennel) essential oils, In Abstract book: 10<sup>th</sup> International and 22<sup>nd</sup> National Chemistry Conference November 21-23, 2011, Chemistry for Food and Energy, Department of chemistry and biochemistry, University of Agriculture, Faisalabad: 304.
25. **Shabnam Javed**, Sehrish Iftikhar & Shaista Nawaz, 2012. Drying vegetables Bitter Gourd (*Momordica Charantia*), Methi *Trigonella foenumgraecum*), Potato (*Solanum tuberosum*) and comparison of Preserved vegetables with Fresh ones. In Abstracts book; International Conference on Safe Food and Human Health, January 10-11, GC University, Faisalabad, Pakistan: 37.
26. **Shabnam Javed**, Sehrish Iftikhar & Shaista Nawaz, 2012. Garlic (*Allium sativu*), Onion (*Allium cepa*) and Ginger (*Zingiber officinalis*) Powder preparation and their Nutritional and Phytochemical Investigation. In Abstracts book; International Conference on Safe Food and Human Health, January 10-11, GC University, Faisalabad, Pakistan: 50.
27. **Shabnam Javed**, Sehrish Iftikhar & Shaista Nawaz, 2012. Microbiological, Nutrition Value, Physico-chemical Evaluation & Macro-micro Elements Estimation of Tomato Ketchup, Plum Chutni, Apple Jam, Almond & Cardamom Syrups. In Abstracts book; International Conference on Safe Food and Human Health, January 10-11, GC University, Faisalabad, Pakistan: 39.
28. **Shabnam Javed**, Kanwal Ilyas, Sobia Mushtaq & Zaid Mahmood, 2012. Large Scale Production of High Quality Aloe Vera Juice/Gel and its Commercialization. In

Abstracts book; International Conference on Safe Food and Human Health, January 10-11, GC University, Faisalabad, Pakistan: 39.

**29. Shabnam Javed**, Ayesha Umeera, Rauf Ahmad and Sobia Mushtaq, 2012. Nutritional, Phytochemical & Antimicrobial evaluation Of Kitchen Spices *Nigella Sativa* (Kalonji) & *Trachyspermum Ammi* (Ajwain). In Abstracts book; International Conference on Safe Food and Human Health, January 10-11, GC University, Faisalabad, Pakistan:50.

**30. Shabnam Javed**, Sobia Mushtaq, 2012. In vitro fungi toxicity of the essential oil of *Syzygium aromaticum* (Clove) and *Foeniculum vulgare* (Fennel) Essential Oils, In Abstracts book; International Conference on Safe Food and Human Health, January 10-11, GC University, Faisalabad, Pakistan:63.

**31. Shabnam Javed**, Sobia Mushtaq, Rauf Ahmed & Shaista Nawaz. 2012. Essential Oils Derived from Citrus Fruits in Food Protection and Medicine: GC-MS analysis of Citrus essential oils. In Abstracts book; International Conference on Safe Food and Human Health, January 10-11, GC University, Faisalabad, Pakistan:64.

**Total No of STALL display: 9 (7 National + 2 International)**

- 1. Shabnam Javed** displayed stall of *Aloe vera* gel and essential oils in “7<sup>th</sup> Invention to Innovation Summit- 2017”, 8,9 March, organized by Punjab University, in collaboration with Pakistan Science Foundation and Institute for Research Promotion. Al-Razi Hall, Undergraduate Block, PU.
- 2. Shabnam Javed** displayed stall on behalf of University of the Punjab Research Outcomes in Exhibition at Vice Chancellor's Forum 2015, Universities in the Islamic World; Facing Global Challenges, Islamabad at Kehkashan Hall, Serena Hotel, Islamabad. February 23-24, 2015.
- 3. Shabnam Javed** displayed stall in exhibition in “Invention to Innovation Summit- 2015”, 4<sup>th</sup> March, organized by Punjab University, in collaboration with Pakistan Science Foundation and Institute for Research Promotion. Al-Razi Hall, University of the Punjab, Lahore.
- 4. Shabnam Javed** displayed stall of Herbal Products in exhibition under 3<sup>rd</sup> Invention to Innovation summit on March 19-20, 2014 held at University of the Punjab.
- 5. Shabnam Javed** displayed stall of *Aloe vera* gel, Juice, essential oils and Herbal Cosmetics in Vice Chancellor's Forum 2013, Universities in the Islamic World; Challenges of Internationalization, Islamabad at Kehkashan Hall, Serena Hotel, Islamabad. September 23-24, 2013.

6. **Shabnam Javed** displayed stall of *Aloe vera* gel and essential oils in “Workshop on “Invention to Innovation Summit- 2012”, 18 June, organized by Punjab University, in collaboration with Pakistan Science Foundation and Institute for Research Promotion. Al-Razi Hall, Undergraduate Block, PU.
7. **Shabnam Javed** displayed stall of Herbal Cosmetics in Seminar on “Developing Local Food Additives/Preservatives” 5<sup>th</sup> Nov 2012, organized by IRP in collaboration with University of the Punjab (ORIC & Institute of Agricultural Sciences) and Pakistan Society of Food Scientists & Technologists (PSFST)-Lahore. Al-Razi Hall, Undergraduate Block, PU.
8. **Shabnam Javed**, displayed stall of clear and high quality *Aloe vera* products, One day LCCI Bio Tech. Fair/Workshop, 16th July 2008. Lahore Chamber of Commerce and Industry, Lahore, Pakistan.
9. **Shabnam Javed**, displayed stall and presented having essential oils and *Aloe vera* gel/juices in National conference on development and commercialization of biotechnology products, 19-20 June, 2009, organized by NCB, NIBGE, Faisalabad.

### Workshop Attended

- Attended as Resource Person, The Awareness Seminar on HEC Research Projects under Technology Development Fund (TDF), at Punjab University organized by ORIC, PU on 10<sup>th</sup> August 2018.
- Attended Seminar on patent Drafting Techniques at University of Engineering and Technology, Lahore on 9<sup>th</sup> August 2018.
- Attended Two-Day training Workshop on patent filing, introduction to intellectual property system of Pakistan at auditorium of Institute of Chemistry, Punjab University organized by Office of Research, Innovation and Commercialization, PU on 17-18 May 2017.
- Attended one-day workshop on “*Using NVivo for Qualitative Data Analysis*” held on April 24, 2015 at Main Campus, The University of Lahore, 1-Km Raiwind Road, Lahore.
- Attended Two-Day Workshop on “*Managing Academic Thesis*” held on January 30-31, 2015 at The University of Lahore, Raiwind Road (Main Campus), Lahore.
- Attended two day workshop on “writing A Research Proposal and to get knowledge and skills for planning, writing, and defending your synopsis plus winning doctorate positions in foreign universities” on 14-15 November, 2014 at The University of Lahore.

- Attended one day Workshop on “Mixed Methods Research using SPSS & NVIVO Software” arranged by (ORIC) PU on 1st June 2013, at University of Punjab.

## Research Projects

### UNIVERSITY PROJECT ACCOMPLISHED

- “*Aloe vera* based formulation of herbal creams and its analysis” (2017-2018) ongoing.
- “Antidiabetic Effect of *Monothecca buxifolia* on albino rats” (2016-2017)
- “Low Cost Extraction of Essential oils from Rose for Medicines, Flavor, Perfumes, etc” (2015-2016)
- “*Aloe vera* Juice and Gel Production and its Commercialization through Industry Academia Linkages” (2014-2015).
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