

Curriculum Vitae of Professor Dr. Ghazala Nasim

HEC approved Ph.D. supervisor



Name: **Dr. Ghazala Nasim**
 Father's Name: **Syed Nasim Haider**
 Date of Birth: **25th August 1963**
 Nationality: **Pakistani (ID card #35202-2668335-4)**
 Address: **198-Qayyum Block, Near Mumtaz Bakhtawar Hospital, Mustafa Town, Lahore-54570, Pakistan.**
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ACADEMIC PROFILE :

YEAR	INSTITUTION	CERTIFICATE / DEGREE	SUBJECTS	SCORE /DIV
1976-78	Govt. Girls High School, Karishan Nagar, Lahore.	Matric	Science subjects	597/850 1st Div.
1978-80	Lahore College for Women, Lahore.	F.Sc.	Pre-medical	614/1000 1st Div.
1980-82	Lahore College for Women, Lahore.	B.Sc.	Botany, Zoology, Chemistry & English.	420/700 1st Div
1983-86	Botany Department, University of the Punjab, Lahore, Pakistan	M.Sc.	Botany First year: (Eight compulsory papers): Algae & Bryophyte, Paleobotany, Mycology, Cytology & Biometry, Aut-ecology, Plant Biochemistry, Plant Taxonomy & Soil plant relation ship. Second year: (Four compulsory papers): Plant Physiology, Anatomy, Synecology & Genetics Special paper: Symbiotic relationships of fungi. M.Sc. Research Thesis: Vesicular arbuscular mycorrhizae in roots and other underground Plant organs of some Angiosperms.	896/1200 1st Div. Distinction (Silver medal)
2003	Dr. Pervaiz Hassan Institute of Environmental Law, Punjab University Law college, Lahore.	Diploma in Environmental Law	Papers: 1. Natural resource Law 2. PEPA (Pakistan Environmental Protection Act) 3. International Environmental Law Assignments: 1. Global Change and the environmental Law- what do we understand? 2. Hydropower	
23 rd June 2005	Botany Department, University of the Punjab, Lahore, Pakistan	Ph.D (Botany)	Ph.D Thesis: Role of vesicular arbuscular mycorrhizae and other soil fungi as biocontrol and bioindicator agents for some economically important crops of Pakistan. Supervisor: Professor Dr. Rukhsana Bajwa, Chairperson, Department of Mycology and Plant Pathology, University of the Punjab, Lahore, Pakistan. Foreign Referees: Dr. Horst Vierhelig, Institut für Pflanzenschutz, Universität für Bodenkultur (BOKU), Peter-Jordan-Strasse 82, A-1190 Wien, Austria Dr. Christiane Charest, University of Ottawa, Department of Biology, 30, Marie Curie St., Ottawa, Ontario K1N 6N5, Canada	

Dec. 2006-Sept. 2007	Department of Plant Science University of Tennessee, Knoxville, TN, USA	Post Doc (HEC Awarded)	Techniques learned: Basic molecular and genetic engineering techniques Tissue culture technology Fluorescence microscopy Leaf conductance measurements Leaf water potential measurements (pressure bomb method) Li COR photosynthesis measurements. Ecto mycorrhiza culturing and synthesis AM inoculation and microscopy with software AxioVision (Carl Zies). Supervisors: Dr. Neal C. Stewart Jr. Professor and Racheff Chair, Plant Molecular Genetics Lab., Department of Plant sciences, College of Agriculture, University of Tennessee, Knoxville, TN, USA Dr. Robert M. Augé Professor, Horticultural Physiology, Department of Plant science, College of Agriculture, University of Tennessee, Knoxville, TN, USA
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JOB PROFILE :

MONTH /YEAR	DESIGNATION	INSTITUTION
Dec. 86-May 87	Research Fellow in Restriction Enzyme Laboratory.	Center for Advanced Molecular Biology, University of the Punjab, Lahore, Pakistan.
May 87-Nov. 88	Research scholar in Mycology and Plant Pathology.	Department of Botany, University of the Punjab, Lahore.
22 nd Nov. 88-July 96.	Lecturer in Botany.	Department of Botany, University of the Punjab, Lahore.
July 96-Oct. 2003	Assistant Professor in Botany.	Department of Botany, University of the Punjab, Lahore.
15 th Oct. 2003-June 2008	Assistant Professor Mycology & Plant Pathology	Institute of Plant Pathology, University of the Punjab, Lahore.
June 2008	Assistant Professor on Tenure Track System (TTS) Mycology & Plant Pathology	Institute of Plant Pathology, University of the Punjab, Lahore.
April 3 rd 2010 to October 2010	Incharge	Institute of Plant Pathology, University of the Punjab, Lahore.
March 7 th 2010 todate	Professor Mycology & Plant Pathology	Institute of Agricultural Sciences, University of the Punjab, Lahore.

TEACHING HISTORY :

YEAR	SUBJECT TAUGHT
1987-1988	Plant Taxonomy and Economic Botany of angiosperms. (Theory and Practicals) + Mycology and plant pathology (Practicals).
1989-91	Plant Taxonomy and Economic Botany of angiosperms. (Theory and Practicals) + Mycology and plant pathology (Practicals).
1992	Plant Physiology (Theory and Practicals)
1993	Plant Physiology (Theory and Practicals) + Soil Plant Relationships (Theory and Practicals).
1994, 1995	Plant Physiology (Theory and Practicals) + Genetics (Practicals).
1993-1994	Plant Physiology (Theory and Practicals) + Plant Biochemistry (Practicals)
1996	Plant Physiology (Theory and Practicals) + Plant Ecology (Practicals).
1997	Plant Physiology (Theory and Practicals)
1998	Plant Physiology (Theory and Practicals) + Cell Biology Biometry and Plant Breeding (Practicals)
1998-1999	Plant Physiology (Theory and Practicals) + Mycology and Plant Pathology (Theory and Practicals)
1999-2000	Plant Physiology (Theory and Practicals) + Biometry (Theory and Practicals)
2001-2002	Plant Physiology (Theory and Practicals) + Biometry (Theory and Practicals) + Mycology (theory)
2000 – 2003	Environmental Biology(Theory and Practicals), Mycology (Theory and Practicals)
2003	Plant Physiology (A part of Course # 2317 & 2318) for B.Sc. Third semester, Zoology students
2002	Environmental Biology(Theory and Practicals),
2002-2003	Basic computer to B.Sc. (Hons.) first semester- Institute of Mycology and Plant Pathology Environmental Biology (Bot-3545 & 3546) to B.Sc. (Hons.) fifth semester-Botany Mycorrhiza-Special paper- M.Sc. Botany, Part-II.
2002-2003	Resources of Pakistan (GES 2104), Post Graduate Diploma in GeoEnvironmental Science, Center for Integrated Mountain Research, Punjab University, Lahore.

	Energy Resources of Pakistan (Ges), Post Graduate Diploma in GeoEnvironmental Science, Center for Integrated Mountain Research, Punjab University, Lahore.
2003-2004	Plant physiology to B.Sc. Hons 4 th semester. Environmental biology to M.Sc. Botany part II Basic computer to B.Sc. Hons 1 st semester, Physiology to B.Sc. Hons 3 rd semester, Institute of Mycology and Plant Pathology
2004-2005	Biostatistics and experimental design B.Sc. Hons 4 th semester, Institute of Mycology and Plant Pathology Biostatistics and basic computers to M.Sc. Hons 1 st Semester, Institute of Mycology and Plant Pathology Basic computer to B.Sc. Hons 1 st semester, Institute of Mycology and Plant Pathology. Environmental Biology to B.Sc. Hons. 2 nd Semester, College of Earth and Environmental Sciences, University of the Punjab, Lahore.
2005	Environmental Biology to M.Sc. Ist Semester (evening class), College of Earth and Environmental Sciences, University of the Punjab, Lahore. Plant Taxonomy B.Sc. Hons. 2 nd , semester, Institute of Mycology and Plant Pathology Ecology & Environmental Science, B.Sc. Hons 2 nd , semester, Institute of Mycology and Plant Pathology Ecology and Plant Physiology, B.Sc. Hons. 3 rd semester, Institute of Mycology and Plant Pathology. Environmental Biology to B.Sc. Hons. 2 nd Semester (morning & evening groups), College of Earth and Environmental Science, University of the Punjab, Lahore. Water resources and their management B.Sc. Hons. 3 rd semester Biostatistics & Basic Computer M.Sc. Hons. 1 st semester Basidiomycota to B.Sc. Hons. 4 th Semester (theory & Practical)
2006	Environmental Biology, M.Sc. Ist Semester (Evening class), College of Earth and Environmental Sciences, University of the Punjab, Lahore. Ecology and Plant Physiology, B.Sc. (Hons.) 3 rd semester, Department of Zoology, University of the Punjab, Lahore. Environmental Science, B.Sc. (Hons) 7 th , semester, Institute of Mycology and Plant Pathology. Ecology & Environmental Science, B.Sc. (Hons.) 2 nd semester, Institute of Mycology and Plant Pathology, Water resources and their management, B.Sc. (Hons.) 7 th semester, Institute of Mycology and Plant Pathology. Co
2007-8	Fungal ecology, Ph.D. 3 rd Semester, M.Sc. 3 rd and 1 st Semesters, Institute of Mycology and Plant Pathology. Microbial Physiology Institute of Mycology and Plant Pathology, Ph.D. 3 rd Semester, M.Sc., 5 th Semester. Diagnostic Plant Pathology, Institute of Mycology and Plant Pathology, B.Sc. (Hons) 7 th Semester. Research Methods and Techniques (Theory and Practical), Ph.D 3 rd Semester MPPL.
2008-9	Physiology of Arbuscular Mycorrhizal fungi, Ph.D. 1 st Semester Biostatistics and software application, Ph.D. 1 st Semester Forestry, M.Sc. Center for Integrated Mountain Research, Punjab University, Lahore. Water resources and their management, B.Sc. (Hons.) Sem 2, IMPP Fungal Ecology M.Phil leading to Ph.D. Sem 1, IMPP Microbial Physiology M.Sc. (Hons.) Sem 5, IMPP Basidiomycota B.Sc. (Hons.) Sem 5, IMPP
2009	Basidiomycota B.Sc. (Hons.) Sem 4, IMPP; Plant Physiology B.Sc. (Hons.) Sem 2, IMPP.
2009-2010	Environmental Biochemistry & Environmental Biotechnology (Ph.D. 1 st Semester) at CEES; Fungal Ecology (M.Phil & M.Phil leading to Ph.D); Soil Science (B.Sc., Hons. 1 st Semester); Coordinator research methods and Report Writing (Ph.D. 1 st Semester) at IMPP. Host Pathogen Interaction to M.Phil & M.Phil leading to Ph.D International Environmental Law to PGD students at Punjab University Law College, University of the Punjab. Crop Physiology (B.Sc. Hons.; 1 st semester), Biology and cultivation of edible fungi (M.Phil leading to PhD 3 rd semester, PhD, 1 st Semester)

CO-CURRICULAR ACTIVITIES :

1. Participated in almost all field tour programs for M.Sc. students to Northern areas of Pakistan and important research institutes of Pakistan like AARI, NIAB & NIBGE.
2. Have been a member of herbarium, Library, purchase, and admission committee of the department of Botany.
3. Have been a member of Board of Studies in Botany and Faculty Board.
4. Have been co-pepper setter in paper 'C' practical B.Sc. and head examiner and pepper setter in Paper 'A' and "C" theory, B.Sc. each for a period of three years.
5. Paper setter, University of Health Sciences.
6. Paper setter, B.Sc. (Hons.), B.Z University, Multan.
7. External Examiner, Mycology and Phytopathology, Lahore College University, Lahore.
8. Member, faculty Department of Plant Pathology
9. Member, visiting faculty of Center for Integrated Mountain Research.
10. Member, Board of Studies Department of Plant Pathology and faculty board.
11. Acting chairperson, Department of Plant Pathology, April 2004.

12. Acting chairperson, Department of Plant Pathology, 7th October-21st October 2004.
13. Acting chairperson, Department of Plant Pathology, 12 January 2005-1st February 2005.
14. Joint secretary, Myco Phytopathological Society of Pakistan (MYCOPS).
15. Controller of Examination, Institute of Plant Pathology.
16. External linkages officer, Institute of Plant pathology.
17. Member climate change committee, Punjab.
18. Member board of studies of Center for Integrated Mountain Research.

REFERENCES :

National:

1. **Professor Dr. Shahida Hasnain**
Director, School of Biological Sciences, University of the Punjab, Lahore.
2. **Professor Dr. Naeem Rashid**
School of Biological Sciences, University of the Punjab, Quaid-e-Azam Campus, Lahore 54590, Pakistan.
Ph:
Email:
naeemrashid37@hotmail.com
3. **Dr. Ahmad Saleem Akhtar**
Member, Punjab Agriculture Research Board (PARB), Lahore.

International:

1. **Dr. Beth C. Mullin**
Professor, Department of Bio-Chemistry, Cell and molecular Biology, University of Tennessee, 437 Hesler's Biology Building and Greenhouse, 1406 Circle Drive, Knoxville-37996-0840, TN, USA,
Ph: +1 865 974 2256, 865-974-6203
Email: bmullin@utk.edu
2. **Dr. Robert M. Augé**
Professor, Plant Molecular Genetics Lab., Department of Plant science University of Tennessee, Knoxville, TN, USA
Ph: 865-974-7324, Email: auge@utk.edu; enr@utk.edu
Website: <http://plantsciences.utk.edu/auge.htm>
3. **Dr. Neal C. Stewart, Jr.**
Racheff Chair of Excellence and Professor
Plant Molecular Genetics
Department of Plant Sciences 2431 Joe Johnson Drive
Rm 252 Ellington Plant Sciences
University of Tennessee
Knoxville, TN 37996-4561 USA
Ph: 865 974 6487
Fax: 865 946 1989
nealstewart@utk.edu
<http://plantsciences.utk.edu/stewart.htm>
4. **Dr. Horst Vierheilig**
Professor Institut für Pflanzenschutz
Universität für Bodenkultur (BOKU)
Peter-Jordan-Strasse 82
A-1190 Wien/Austria
Ph: +43 1 47654 3391
Fax +43 1 47654 3359
Email : horst.vierheilig@boku.ac.at, nonhorst@boku.ac.at

AWARDS / HONORS:

International:

1. A grant of US \$1200 per month for a period of three months to work as a visiting scientist in the **Special Course on Forest Pathology**, (supervisor: Dr. Robert, L. Edmonds), June, 15- September 15, 1992, Forest Resources Management Division, University of Washington, Seattle, WA. 98195, U.S.A.
2. A special grant of US \$ 200 to attend Joint Meeting of American Phytopathological Society (APS) and Mycological Society of America (MSA), Convention Centre, Portland, Oregon, U.S.A, August, 8-12, 1992.
3. An amount of US \$1600 as traveling, boarding and lodging charges to present the paper entitled as 1) Role of Vesicular Arbuscular mycorrhizae as "Mycobioindicator" of air pollution in soybean, *Glycine max* L. Merr. Cv. NARC-I, and 2) Role of symbiotic soil fungi in controlling road-side erosion and in the establishment of plant communities. Poster presentation in Global Change Open Science Conference "**Challenges of a Changing Earth**" 10-13 July, 2001, Amsterdam, The Netherlands.
4. Travel grant to US and subsistence allowance of US \$225 to participate in LOICZ (IGBP) Synthesis and Futures Meeting, "**Coastal Change and the Anthropocene**", Rosenstiel School of Marine and Atmospheric Science, University of Miami, Florida, USA. 29 May-01 June 2002. (Participation by invitation).
5. A grant of 400 Euro as subsistence allowance and conference registration fee from IGAC organizing committee (Greece) and an award of US \$1000 from US IGAC office to participate and present the poster entitled as "Air chemistry with relevance to increasing population and climate Change in a mega city of Pakistan". Joint International symposium of CACGP (Commission on Atmospheric Chemistry and Global Pollution) and IGAC International Global Atmospheric Chemistry Project) on "**Atmospheric Chemistry within the Earth System: From Regional Pollution to Global Change**" held in Creta Maris, Hersonissos, Heraklion, Crete, Greece from 18-25th September 2002.

6. A grant of US\$ 2000 by German Federal Ministry to participate in the GWSP Open Science Conference held in Sheraton Harborside Hotel and Conference Centre, Portsmouth, New Hampshire, USA from 7-9 October 2003.
7. Won a grant of US \$3090 by IGAC (International Global Air Chemistry) to participate in IGAC conference, Sept 9-14, Christchurch, New Zealand.
8. Award of US \$ 650 as registration, boarding, lodging and pick & drop charges by Turkish Water Foundation for an advanced training course on renewable energy resource development in Istanbul, Turkey from 5th June to 14th June 2006.
9. Award of €1475 as traveling registration, boarding, lodging charges by International Human Dimension Program (IHDP) to attend and present paper in IHDP International meeting in Bonn, Germany from 26-30 April 2009.
10. Award of funds from FAO and GMBA to participate in International Conference on Biodiversity at Chandolin, Switzerland entitled as “**Functional significance of mountain biodiversity**”, GMBA-DIVERSITAS Conference, Chandolin, Switzerland from 26-30 July 2010.

National:

1. Award of travel grant by UGC and Punjab University for a visit to the Department of Forest Resources Management Division, University of Washington, Seattle, WA. 98195, U.S.A.
2. Stood second among students of M.Sc. Botany, Session 1983-1985.
3. Topped the list of Punjab University NON-Ph.D. teachers scoring 97% marks for the incentive award.
4. Stood third among students of Post Graduate Diploma in Environmental Law
5. Placed at first position (86% marks) in the list of resource persons by the participants of HEC sponsored workshop on Identification and conservation of Micromycetes, 23-28th August, 2004, organized by the Department of Mycology and Plant Pathology, University of the Punjab, Lahore.
6. Grant of cash award of Rs. 15,000/- on the basis of research publications in the year 2004 by the university of the Punjab, Lahore.
7. Award of travel grant (PKR 89,000) by HEC to participate and present oral and poster presentation in Open science conference “Global Change in the mountain regions”, 2-6 October, 2005, Perth, Scotland, UK.
8. One year Post doctoral scholarship awarded by HEC including \$1500 per month of stipend with a return air fare once during the study period of 2006-2007.
11. Award of Award of Pak Rupees 20,4000/- as traveling registration, boarding, lodging charges by the University of the Punjab to attend and present poster in Centennial meeting of the American Phytopathological Society, “History of excellence, Future of Promise” 26-30th July, 2008, Minneapolis, Minnesota, USA.
12. 8th Annual Environment Excellence Award by National Forum for Environment and Health (NFEH) and UNEP on 29th July 2011, Marriott Hotel, Karachi.
13. Best Book Publication Award for the year 2009 by HEC, on Kuch Ehm Maholiati aur arziati Masail: Aik Sainsi nukta-e-nazar. Ceremony held on 17th October 2011 at HEC Head Office, Islamabad.

CONFERENCES, COURSES AND SEMINARS ATTENDED:

International:

- | Sr. No. | Title |
|---------|--|
| 1. | Special Course on Forest Pathology , (supervisor: Dr. Robert, L. Edmonds), June, 15- September 15, 1992, Forest Resources Management Division, University of Washington, Seattle, WA. 98195, U.S.A. |
| 2. | One week course on the techniques of Scanning Electron Microscopy (SEM) , (Instructor: Barbra Rein), 26-31, July, 1992, Department of Botany, University of Washington, Seattle, WA 98195, U.S.A. |
| 3. | “ Molecular Basis of Morphogenesis ”, Fifty first annual symposium of the Society for Developmental Biology, University of Washington, Seattle, WA, 89195, U.S.A. June, 25-27. |
| 4. | International Symposium on Molecular Plant Microbe Interactions , July, 12-16, 1992, University of Washington, Seattle, WA, 98195, U.S.A. |
| 5. | Joint Meeting of American Phytopathological Society (APS) and Mycological Society of America (MSA) , Convention Centre, Portland, Oregon, U.S.A, August, 8-12, 1992. |
| 6. | Global Change Open Science Conference “ Challenges of a Changing Earth ” 10-13 July, 2001, Amsterdam, The Netherlands. |
| 7. | LOICZ (IGBP) Synthesis and Futures Meeting, “ Coastal Change and the Anthropocene ”, Rosenstiel School of Marine and Atmospheric Science, University of Miami, Florida, USA. 29 May-01 June 2002. (Participation by invitation). |
| 8. | Joint International symposium of CACGP (Commission on Atmospheric Chemistry and Global Pollution) and IGAC International Global Atmospheric Chemistry Project) on Atmospheric Chemistry within the Earth System: From Regional Pollution to Global change held in Creta Maris, Hersonissos, Heraklion, Crete, Greece from 18-25 th September 2002. |
| 9. | Global Water System Project Open Science Conference, Held in Sheraton, Harborside Hotel and Conference Centre, Portsmouth, New Hampshire, USA from 7-9 October, 2003. |
| 10. | Open science conference “Global Change in the mountain regions”, 2-6 October, Perth, Scotland, UK. |
| 11. | An advanced training course on renewable energy resources organized by Renewable Energy Resource |

- Development Centre (RERDEC) and Turkish Water Foundation, Istanbul, Turkey from 5th June to 14th June 2006.
12. 2nd International Conference on Assessing quality in Higher Education (2nd ICAQHE), 1-3rd December, 2008.
13. International Symposium on Medicinal Plants and Modern trends in chemistry, Lahore College for women University, Lahore from 14-16 January 2010 organized by British Council and LCWU.
14. International Seminar on Growing Healthy Sheesham, Avari Hotels Lahore, organized by ICIMOD and department of Forestry, Government of Pakistan from 4-5th March 2010, Lahore.
15. 22nd Asia Pacific Weed Science Conference, at GC university, Lahore from 8-12 March 2010.

Seminars attended at the University of Tennessee, Knoxville, USA:

12. Seminar by Regie Millwood, 21st Dec 2006 Department of Plant Molecular genetics, University of Tennessee, Knoxville, TN, USA.
13. Native grass research in Tennessee, Biofuels; conservation and future directions. By Dr. Patt Keaser, from , Centre for natural grassland management, 05.2.07
14. Over expression of an *Arabidopsis thaliana* ABC transporter confers kanamycin resistance to transgenic plants. Regie Millwood. 08.02.2007
15. Bioactive Herbage-Fungicide of the Future? Seminar by Dr. Kimberly Gwinn, Associate Professor, Department of entomology and Plant Pathology, University of Tennessee, Knoxville, Tennessee, USA, Feb 12, 2007 in the Plant Biotechnology Building.
16. Seminar on a paper by Sara et al, 2006, entitled "Biosynthesis of cellulose –enriched tension wood in Populus: global analysis of transcripts and metabolites identifies biochemical and developmental regulators in secondary wall biosynthesis" by Joshua S Yuan on 15 Feb 2007 in PBB.
17. Alternative fuels, Virginia Talboot, Feb 17, 2007, at the department of Biosystems Engineering and Soil Science, University of Tennessee, USA.
18. Issues related to Educating Citizens and teachers- About, for and in the Environment by Michael L. Bentley, at the Department of Plant sciences, Feb 19 2007.
19. Repression of lignin biosynthesis promotes cellulose accumulation and growth in Transgenic trees. Seminar on Paper by Hu et al., 1999 presented by Matthew A. Cutulle, Ph. D. scholar, 22 Feb, 2007
20. Cytochrome P450 in the biosynthesis of glucosinolates and indole alkaloids (Nafisi et al., 2006) presented by Moon Seong K. on 1.3.2007.
- Functional genomics of P450 genomics (Schuler and Werck-Reichhart, 2003) presented by Moon on 1.3.2007.
21. Resistance to an herbivore through engineered cyanogenic glucoside synthesis, Tetttersall et al.,2001, Presented by Bryn, 8th March, 2007.
22. Seminar on Proteomic Analysis of Arabidopsis Glutathione S-transferases from Benoxacore and Copper treated seedlings presented by Matthew A. Cutulle, Ph. D. scholar, March 22, 2007
23. Measuring the effect of genetic load and gene flow in back cross BC1F2 Brassica napus x Brassica rapa (wild mustard) population in competition with *Triticum aestivum*, Cristy weems
24. Cloning, sequencing and transient expression of anthocyanin regulatory constructs in switchgrass. Stephen Foulk
25. Identification and management of bryophytes and phytopathogenic algae common in bent grass putting greens,
26. Participated in International literacy Colloquy on a book written by Elizabeth Fernea Entitled "A street in Marrakech". At International house, University of Tennessee on Feb, 14 2007
27. Participated in International literacy Colloquy on a book written by Tahir Bin Joluan "The sand child" at International house, University of Tennessee on April 5 2007.
28. Participated in International literacy Colloquy on a book written by Liela Abuzaid "The year of the elephant" International house, University of Tennessee, April 25 2007.
29. Micro RNA by Chetani
30. Management of high bush blue berry crop, Beth Alexander.
31. Seminar by Professor Dr. Richard Dixon, Nobel Foundation: "Metabolic engineering of Plant Polyphenols for environmental and health benefits" July 23 2007 at 9:30 Plant Biotech 160, Department of Plant Sciences, Univ. of Tennessee, Knoxville, Tennessee, USA.
32. Bacterial source trekking in Pond Creek using bacterioids host specific Real Time PCR assays,
33. Development of simulation system for testing hardwood plantations silviculture By Cristopher M. Oswalt. July 26 2007 at 9:00 Plant Biotech 160, Department of Plant Sciences, Univ. of Tennessee, Knoxville, Tennessee, USA.
33. Environmental effects on growth of *Syllbium marianum*, Anie
34. Dr. Jonathan Gressel (Weizmann Institute) Monday, Aug 20 in 160 Plant Biotechnology: Why Transgenics are Imperative for Biofuel Crops.
35. Dr. Maelor Davies (Director, Kentucky Tobacco Research and Development Center), Technology Driven new crops development; opportunity and translational research, 27 August, 2007160 Plant Biotechnology.
36. Bermuda grass athletic filed performance in the transition zone, Adam Thomas, 17.09.07
37. Integrative Functional genomics for terpene synthase gene involved in indirect defense in rice, Joshua S. Yuan, 17.09.07.
38. The third Int'l Conference on Plant Pathology, 19-21 November 2007, Organized by Pakistan Phytopathological Society at the department of Mycology and Plant Pathology.
39. 1st International Conference of Plant Scientists, University of Agriculture, Faisalabad, Pakistan, 21-24, April 2008.
40. 1st International Seminar on Medicinal Plants, Isolation and Applications (ISMP-2008). May 21-23, Jointly Organized by Department of Chemistry (Organic Section), Lahore College for Women University and British

- Council, Lahore, Pakistan.
44. Centennial meeting of the American Phytopathological Society, "History of excellence, Future of Promise" 26-30th July, Minneapolis, Minnesota, USA.
 45. Meeting of the HEC International linkage Project on the management of Parthenium Weed, University of Queensland, Brisbane, Australia from 20-27th July 2009.
 46. Functional significance of mountain biodiversity, GMBA-DIVERSITAS Conference, Chandolin, Switzerland from 26-30 July 2010.

National:

1. International Symposium-Workshop on the **Application of Genetic Engineering** to Basic Biology and Agriculture, 21-28 October, 1984.
2. Second National Conference of Plant Scientist, 25-28 November 1984.
3. Twenty third National Science Conference, December 27-January 1st, 1986.
4. Postgraduate training course on **Nuclear and other Advanced Techniques** in Agriculture and Biological Research at Nuclear Institute of Agriculture and Biology, Faisalabad, Nov. 8-19, 1987.
5. Pak-German Seminar on **Problems of High Mountains Research** in Karakurum August 10, 1991, Gilgit.
6. International workshop on Culture Area Karakurum Project, Dec. 1-3, 1991, Lahore.
7. Special course on American History, Dec. 8-12, 1991, The American Centre, Lahore, Pakistan.
8. All Pakistan Science Conference, May 16-21, 1992, Khanuspur, Pakistan.
9. Workshop on **Latest Developments in Molecular Biology** Held at NIBGE, National Institute of Biology and Genetic Engineering, Faisalabad, March, 24-31, 1996.
10. Two short courses of Persian language at Cultural Centre, Islamic Republic of Iran, Shahra-e-Quaid-e-Azam, Lahore, 1997-1998.
11. Training course on mushroom cultivation April 25-26, 1998, Department of Botany, University of the Punjab, Lahore.
12. Faculty Development workshop, Organized by MPA (Department of Public Administration) and PUASA (Punjab University Academic Staff Association, from May, -June, 1997.
13. Provincial Workshop on Environmental Awareness and **Solid Waste Management**, organized by Centre for Integrated Mountain Research (CIMR), Punjab University, Lahore and Bunyad Literacy Community Council, Lahore, held at South Asian Study Centre, Punjab University, Lahore from May 31st-June 2nd 2000.
14. **"Information Technology in Higher Education"** faculty development program- summer 2000, organized by The department of Public administration, University of the Punjab, Lahore Pakistan, from 28th August to 2nd September, 2000.
15. 'Seventh National Conference of Plant Scientists, Lahore, Pakistan, 14-16 November 2000.
16. **"Workshop on Networking & Capacity Building in Global Change Research"**. Islamabad, Pakistan, 20-22 November 2000.
17. Concluding session of the International Training Session (**SUSTAINABLE COMMUNITY DEVELOPMENT, A CHALLENGE FOR GOVERNANCE AND RESOURCE MANAGEMENT**, Feb. 20-March 3, 2001), Cohort 9, LEAD (Leadership for Environment and Development), Pakistan, March, 3, 2001, Alhamra Art Centre, The Mall, Lahore.
18. Seminar on **Health Legislation**, March, 17, 2001, Law College University of the Punjab, Lahore.
19. Information technology workshops entitled **"ADD INFO SOLUTIONS TO YOUR TOO-KIT"** as a part of Staff Development Plan 2001 organized by Staff Development Unit, Human Resources Development Centre, Institute of Administrative Sciences, University of the Punjab, Lahore, Pakistan, 15-29 August 2001.
20. Staff Development Plane 2001 organized by Staff Development Unit, Human Resources Development Center, Institute of Administrative Sciences, University of the Punjab, Lahore, Pakistan, August 2002.
21. Islamic correspondence course (Study of the Holy Qur'an), Da'wah Academy, International Islamic University, Islamabad, 2001-2002.
22. Seventh International conference of the Pakistan Society for Biochemistry and Molecular Biology entitled "Trends in Biochemistry and Molecular Biology", April 2-5, 2003, Institute of Biochemistry and Biotechnology University of the Punjab, Lahore, Pakistan.
23. International Seminar on Environment Day, Wanted! Seas and Oceans Dead or Alive, 5th June 2004, Fourseasons banquet Hall, M M Alam Road, Gulberg III, organized by Institute of Engineers Pakistan, Pakistan Engineering Council and Environ Monitor.
24. Workshop on Networking and Capacity Building in global change research, June 8-10, 2004, Islamabad. Organized by Agrodevelopment International, Asia Pacific Network (APN) and International Geosphere Biosphere Program (IGBP).
25. National Seminar on "Women's Rights Are Human Rights". 12th June 2004, Lahore, Organized by the Department of Women Studies, University of the Punjab Lahore.
26. Let's Fight the Menace, HEC Symposium on Awareness of *Parthenium* Weed, 6-7 August 2004, organized by the Department of Mycology and Plant Pathology, University of the Punjab, Lahore.
27. HEC workshop on Identification and conservation of Micromycetes, 23-28th August, 2004, organized by the Department of Mycology and Plant Pathology, University of the Punjab, Lahore.
28. Two-day course on Solid waste disposal through deep slurry injection, organized by Institute of environmental sciences. 20-22 December, 2004.

29. Three day HEC curriculum review committee meeting in crop Physiology, from 17-19 January, 2005, Regional HEC Center, Lahore,
30. Three days training workshop on TOT for FFS in National IPM program, 7-9th February, 2005, Regional HEC Center, Lahore, organized by National IPM program NARC Islamabad.
31. 1st International Karakorum Conference, Islamabad, from 25-27th April, 2005 organized by Geological Society of Pakistan.
32. National Workshop on Global Change-Challenges, Impacts, Opportunities and Prospects, Islamabad, from 28th to 30th April, 2005. Organized by Asianics, APN and CAPABLE.
33. Food and Agro-Asia 2005. Second International conference on higher National productivity in food & Agriculture & Exhibition of Food & Agricultural Products, Equipment, Machinery and services. Lahore May 3-4, 2005. Organized by NPO, APO, Govt. of Punjab, Farmers Associates Pakistan, Ewan-e-Zaraat Punjab, The Development Times.
34. Towards Cleaner Air: The Role of Judiciary, Second Annual Seminar organized by Pakistan Environmental Law Association (PELA), sponsored by IUCN (Pakistan), WWF (Pakistan), Lead (Pakistan) and PELA. May 21, 2005.
35. "Green Cities", World Environment Day Celebrations, Organized by Pakistan Engineering Congress, 5th June 2005 at Hotel Avari-Khurshid Mahal Hall, Lahore.
36. Online Information Resources and the UN Digital Library organized by Punjab University Library, 8th June 2005. at Punjab University Library Auditorium.
37. Three day HEC Final curriculum review committee meeting in Plant Pathology, from 29-31 June, 2005, Regional HEC Center, Peshawar.
38. Three day HEC Final curriculum review committee meeting in crop Physiology, from 18-20 July, 2005, Regional HEC Center, Lahore,
39. 1st International symposium on Biofertilizers and Biocontrol technology. Organized by the Department of Mycology & Plant Pathology, University of the Punjab, Lahore in collaboration with National Productivity organization (NPO), Asian Productivity Organization (APO) and Higher Education Commission (HEC). 25th to 27th July, 2005.
40. Recent vistas in botanical knowledge, 5-7 December, 2005, organized by Government College University, Faisalabad
41. Meeting of National Core Group in life Sciences with senior faculty members of University of the Punjab, 15, December, 2005 at Regional Centre, HEC, Lahore.
42. "A practical approach to sustainability reporting", A workshop organized by ACCA Pakistan Under the European Union Small Project facility on 21 April 2006, at Pearl Continental, Lahore.
43. A short course on environmental monitoring from 29th May-2nd June 2006, organized by Pakistan Space and Upper Atmosphere Research Commission (SUPARCO) and Centre for Integrated Mountain Research (CIMR) and Centre for Advanced Study and Research (CASR), at Khanuspur Ayubia.
44. World Environment Day, 5th June, 2006 organized by Environmental Protection Department, Punjab and Pakistan Engineering congress.
45. One Day seminar on **Quality Assurance in Higher Education**, at hotel Sunfort, Lahore on August 05, 2006, Pakistan Institute of Quality control,
46. Sugarcane curricula Development workshop for non-formal Participatory Training of Trainer (ToT) and farmer field school (FFS) Activities under EU funded project-"Better Management Practices for water thirsty crops", Organized by WWF-Pakistan, 17th August, 2006, at Hotel Prime Faisalabad.
47. Workshop on Biochemical Engineering and Fermenter Applications, 19th August, 2006 organized by Institute of Biochemistry and Biotech, University of the Punjab, Bioengineering, Switzerland.
48. Seminar on opportunities for Pakistan's pharmaceutical sector under the WTO regime, 20, September, 2006 at Pearl Continental Hotel, The Mall, Lahore. Organized by WTO Cell, Government of the Punjab, Planning and development Cell.
49. International Symposium on Nano-Chemistry: Chemistry, Biochemistry, Molecular Biology and Bioinformatics of enzymes, 20-21 September, 2006 at School of biological sciences (SBS), University of the Punjab organized by (SBS) and Pakistan Academy of sciences.
50. One day awareness seminar on International Trade Requirements & Export Potential for Horticultural Sector Under WTO Regime, November 11, 2006 Jointly organized by Planning & Development Department and WTO cell of agriculture Department.
51. National Workshop on Medicinal Plants, December 8, 2006, organized by IUCN at Dream land motel, Islamabad.
52. The third Int'l Conference on Plant Pathology, 19-21 November 2007, Organized by Pakistan Phytopathological Society at the department of Mycology and Plant Pathology.
53. Higher Education Strategies Partnership Guidance Workshop, organized by the British council and the Higher Education Commission of Pakistan on 26 November, 2007, At Daffodils Hall, Holiday Inn Hotel, Lahore
54. 2nd National conference of National Core Group of life Sciences, Bahaudin Zikaraya University, Multan, From 30-31st January 2008.
55. Trade remedial laws Under the WTO system: Experience of Pakistan Held at Dr. Pervaiz Hassan En law Centre, University of the Punjab-13 December, 2008, organized by WTO cell, Government of the Punjab and University of the Punjab.
56. Citing and Referencing using EndNote®, One day workshop on Hands –on training in using EndNote for creating references. Instructor: Mr. Asad Kamran Ghalib, Doctoral Research Fellow, Institute for Development Policy and Management (IDPM), The university of Manchester, UK. Organizers: Institute of Business Administration,

- University of the Punjab and Institute of Research Promotion (IRP). On 9th Feb 2008.
57. Civilization of Harappa, Dr. Kiran at the Institute of Biochemistry and Biotechnology, University of the Punjab, Lahore/
 58. Crowd Behavior and conflict between Groups, by Prof. Steve Reicher (UK) organized by External Linkages, University of the Punjab, Lahore on April 11, 2008.
 59. "Call for the climate", Earth day celebrations organized by Environmental Protection Department (EPD), Govt. of the Punjab on 22, April 2008.
 60. "Moving towards Low Carbon Economy", Environment day Seminar organized by Environment Protection Department, Government of the Punjab, Lahore.
 61. LCCI Biotech Fair/workshop organized by the Lahore Chamber of Commerce and Industry in collaboration with National Commission on Biotechnology, Islamabad on July 16, 2008.
 62. Oral presentation entitled "**Potential of IMPP in exploiting resources in R & D sector for strengthening industrial productivity**" at LCCI October 30th, 2008. The title of the seminar was Commercializing research and development in Industry: Role of industry/University linkage in Expo.
 63. Seminar on Mass Spectroscopy by Prof. Dr. David L. Smith, Emeritus Prof. of chemistry, University of Nebraska, USA on March 30th, 2009. Organized by the Institute of Chemistry, University of the Punjab.
 64. Seminar on pollution status of River Ravi, on 31st March 2009 at Pearl Continental Hotel, organized by Environment Protection Department, Government of the Punjab, Lahore.
 65. Earth Day Seminar with a theme of "**The Green Generation**" on 22nd April 2009 at Alhamra Arts Council organized by Environment Protection Department.
 66. Invited to speak at Jung Forum on World's Earth Day, 22nd April 2009.
 67. One day seminar on World environment day entitled "Your Planet needs you- Unite to Combat Climate change on 5th of June 2009 organized by EPD and Institute of Engineers, Pakistan at Avari Hotel, the Mall, Lahore.
 68. Seminar on the eve of World's Environment day, 5th June 2009, organized by EPD, Ecogreen, PU Law college, Asia Pacific associates at Dr. Pervaiz Hassan centre for Environmental Law.
 69. National symposium on Pharmacological Studies of Medicinal Plants, June 20, 2009. Jointly Organized by Department of Chemistry (Organic Section), Lahore College for Women University and British Council, Lahore, Pakistan.
 70. 9th National Weed Science Conference, sponsored by Weed Science Society of Pakistan (WSSP) to be held on June 28-30, 2009. NWFP Agricultural University, Peshawar.
 71. Turnitin Anti-Plagiarism Service Training Workshop, organized by Chief Librarian, Main Library, University of the Punjab, Lahore on 13.10.2009.
 72. Concluding ceremony of painting exhibition on environment, Sofism and Choraha at Alhamra arts council, Lahore from 1-3rd December 2009.
 73. A course on electron Microscopy, at NIBGE, 14-24th December 2009.
 74. Self assessment for quality assurance at higher education in the university, Organized by IQTM, PU, Lahore.
 75. Seminar on Hepatitis awareness by Dr. Mudassar S. Sheikh at MMG on 9th January 2010.
 76. Seminar on bioreactors By Judith Law, BioEngineering, Switzerland organized by MMG, University of the Punjab, Lahore on .
 77. Seminar on Hepatitis awareness by Dr. Mudassar S. Sheikh at MMG on 22nd February 2010.
 78. Meeting of Curriculum Revision Committee in Plant Pathology, from 22-24th of February 2010 organized by HEC at HEC Regional Centre, Gulberg, Lahore.
 79. Seminar on Hepatitis (A & E) awareness by Dr. Mudassar S. Sheikh at MMG on 13th March 2010.
 80. Launching ceremony of Urdu Text book series at Urdu Science Board, 299, Upper Mall Lahore on 22nd March 2010.
 81. Meeting for the Syllabi revision committee in Plant Pathology, from 29-31 March, 2010, Regional HEC Center, Lahore.
 82. Launching ceremony of a book entitled "9 Languages dictionary" published by Urdu Science Board, Ministry of Education. Government of Pakistan at Alhamra Arts Council, the Mall Lahore on 10, April 2010.
 83. Seminar by Dr. Hanssen Schmidt, Associate Professor, Medical University, Vienna, Austria entitled "What is my basic question? How do molecules talk to each other" at Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore on 16th April 2010.
 84. A discussion forum on "Save the River Ravi", organized by The Dean Faculty of Life Sciences, at the Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore on 19th May, 2010.
 85. Seminar on World's Environment day, 4th June 2010, organized by EPD, Ecogreen, PU Law college, Asia Pacific associates at Dr. Pervaiz Hassan centre for Environmental Law.
 86. Seminar on World Environment Day, 8th June 2010, organized by District Officer, Environment Protection Department, District Chakwal.
 88. Final Meeting of the Syllabi Revision Committee in Plant Pathology, from 10-13th June, 2010, Regional HEC Center, Lahore.
 89. Consultative meeting on *Parthenium hysterophorus* weed at PARB Office, the Mall Lahore, 21st September, 2010.
 90. First Consultative meeting on National Climate Change Policy (Draft) at Avari Hotel, on 15th January 2011 the Mall Lahore organized by EPD.
 91. Earth Day Seminar with on 22nd April 2011 at Alhamra Arts Complex, Qaddafi Stadium, organized by

Environment Protection Department, Government of the Punjab.

92. Consultative Meeting on National Climate Change Strategy and Action plan (Draft 2010) at Avari Hotel on 18th May 2011, the Mall Lahore, organized by EPD.
93. Seminar on World Environment Day, 6th June 2011, on the theme "Forests-Nature at Your Service" organized by Environment Protection Department, Government of the Punjab at Alhamra arts council, the Mall Lahore.
94. Consultative Meeting on National Sustainable Development Strategy (NSDS) and Action plan (Draft 2010) at Avari Hotel on 18th May 2012, the Mall Lahore, organized by Ministry of National Disaster Management, Government of Pakistan.

MEMBERSHIPS OF SOCIETIES:

- Life-member of Myco-Phytopathological Society of Pakistan (MYCOPS).
- Life member of Weed Science society of Pakistan (WSSP).
- Life member Pakistan Phytopathological Society.
- Life member, Pakistan Botanical Society.
- Life member, Pakistan Environmental Law Association (PELA).
- Pakistan Geological Society (PAGS)
- Pakistan Biological Society.
- Member, Provincial Committee on Climate Change and air pollution., Environment Protection Department, Govt. of the Punjab.
- Science Task Force.
- Mycological Society of America, (MSA).
- American Phytopathological Society, (APS).
- National Geographical Society, Washington, DC, U.S.A.
- The Zoological Society of Pakistan.
- Pakistan Herbal Society

RESEARCH PROJECTS:

Sr. #	Project title	Researcher	Sponsoring Agency	Amount (Pk. Rs.)	Duration
1.	Role of Vesicular arbuscular mycorrhizae as "Mycobioindicator" of air pollution in soybean, <i>Glycine max</i> L. Merr. Cv. NARC I). (Completed)	Dr. Ghazala Nasim (PI)	University of the Punjab	58,000/-	1998-1999
2.	Study of seasonal spore dynamics of arbuscular mycorrhizal fungi and their interspecific interaction in rhizosphere soil of three important crop plants of Pakistan. (Completed)	Dr. Ghazala Nasim (PI)	University of the Punjab	1,80,000/-	2005-2006
3.	Development of software for an easy access to fungal systematics. (Completed)	Dr. Ghazala Nasim (PI)	University of the Punjab	1,00,000/-	2008-2009
4.	Soil microbial analysis for biosafety hazards and risk management in some hybrid varieties of corn, pea and radish. (Completed)	Dr. Ghazala Nasim (PI)	University of the Punjab	1,00,000/-	2009-2010
5.	Development of software for the identification of Macromycetes of Ayubia National Park. (Completed)	Dr. Ghazala Nasim (PI)	University of the Punjab	1,25,000/-	2010-2011
6.	Isolation, purification and characterization of Rhizome born fungi of Ginger, <i>Zingiber officinale</i> Rosc. (Completed)	Dr. Ghazala Nasim (PI)	University of the Punjab	1,50,000/-	2010-2011
7.	Pak-Australia linked project on "Biology and Management of Parthenium weed". (Completed)	Dr. Ghazala Nasim Co-PI	HEC	21 million	2008-2011
8.	VAM commercialization for higher farm production (Completed)	Dr. Ghazala Nasim (PI)	HEC	1.7 million	2008-2011
9.	Biosorption as a solution to industrial pollution (Completed)	Dr. Ghazala Nasim (PI)	EPD	8 million	2008-2011
10.	Macromycetes of Ayubia National Park. (Ongoing)	Dr. Ghazala Nasim (PI)	WWF-Pakistan	6,00,000/-	2009-2012
11.	Biocontrol of Dengue fever vector (Submitted)	Dr. Ghazala Nasim (PI)	University of the Punjab	99,00000/-	2012
12.	Morpho-anatomical studies of basidiomycetes of district Lahore and establishment of permanent slide archives". (Submitted)	Dr. Ghazala Nasim (PI)	University of the Punjab	2,50,000/-	2012

EXTRACURRICULAR ACTIVITIES:

1. Did comparing of a radio program "University Magazine" broadcasted by Pakistan Broadcasting Corporation, Lahore.
2. Member of WAYS (Writers Association of Young Scientists). The main purpose of WAYS is to write light scientific articles in newspapers and Journals to inculcate scientific aptitude in common people.

3. Worked at the registration desk of the International Symposium on Molecular Plant Microbe Interaction held at the University of Washington, Seattle, USA., July, 11, 1992.
4. Worked as a member of fund raising committee and coordinated the refreshment committee of Seventh National Conference of Plant Scientists, 14-16 November 2000.
5. Worked as the stage secretary at the The third Int'l Conference on Plant Pathology, 19-21 November 2007, Organized by Pakistan Phytopathological Society at the department of Mycology and Plant Pathology.
6. Member Jury, Urdu Debate competition and Mushaira held at the Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, on 3rd December 2008.
7. Member Jury, Science Model Competition, Held at children Complex, Shara-e-Iwane Tijarat, Lahore on 2nd December 2008 organized by Intel and Education Department, Government of the Punjab.
8. Member Jury, Urdu Debate competition held at the Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, on 6th June 2009.
9. Member Jury, Science Model Competition, Held at Govt Central Model High School, Lahore on 9th December 2011 organized by Intel and Education Department, Government of the Punjab.

Hobbies:

Urdu literature, nature watch, music, oil and watercolor painting, sketching, drawing, photography and embroidery.

Countries visited:

USA, Canada, UK, Dubai, Netherlands, Greece, Turkey, Australia and Switzerland.

PRESENTATIONS IN CONFERENCES/SEMINARS:

International:

1. **Nasim G, 1992.** "Some studies on vesicular arbuscular mycorrhizae in Pakistan". Special Seminar held at the College of Forest resources, University of Washington, Seattle, Washington, U.S.A.
2. **Nasim G and R Bajwa 2001.** Role of Vesicular Arbuscular mycorrhizae as "Mycobiindicator" of air pollution in soybean, *Glycine max* L. Merr. cv. NARC-I, Poster presentation in Global Change Open Science Conference "Challenges of a Changing Earth" 10-13 July, 2001, Amsterdam, The Netherlands.
3. **Nasim G and R Bajwa 2001.** Role of symbiotic soil fungi in controlling road-side erosion and in the establishment of plant communities. Poster presentation in Global Change Open Science Conference "Challenges of a Changing Earth" 10-13 July, 2001, Amsterdam, The Netherlands.
4. **Nasim G and R Bajwa 2002.** Air chemistry with relevance to increasing population and climate Change in a mega city of Pakistan. Joint International symposium of CACGP (Commission on Atmospheric Chemistry and Global Pollution) and IGAC International Global Atmospheric Chemistry Project) on "Atmospheric Chemistry within the Earth System: From Regional Pollution to Global Change" held in Creta Maris, Hersonissos, Heraklion, Crete, Greece from 18-25th September 2002.
5. **Nasim G. 2005.** Mountain Mycorrhizal biodiversity in northern Pakistan, yesterday today and tomorrow. Paper presented in the open science conference "Global Change in the mountain regions", 2-6 October, Perth, Scotland, UK.
6. **Nasim G. 2005.** Glomalean spores associated with plants of High alpine meadows of Pakistan, Poster presented in the open science conference "Global Change in the mountain regions", 2-6 October, Perth, Scotland, UK.
7. **Nasim G. 2007.** Culture and customs of Pakistan, Lectures given to Students of Management sciences, University of Tennessee, at Planetary and earth sciences building 28th March 2007.(Coordinator: Dr. Irina Naoumova, Visiting Associate Prof. Department of Management, Univ. of Tennessee)
8. **Nasim G. 2007.** Culture and customs of Pakistan, Lectures given to Students of Management sciences, University of Tennessee, at Humanities buildings 28th March 2007.(Coordinator: Dr. Irina Naoumova, Visiting Associate Prof. Department of Management, Univ. of Tennessee)
9. **Nasim G. 2007.** Status of women in Pakistan, Delivered an online lecture to the students of Department of Information technology through a web conferencing program called CENTRA on 14th of April 2007. This program allowed her to present Power point presentation on the "status of women in Pakistan" to the students through internet. The program also allowed the students to ask questions which lead to interesting discussion about the topic and her personal achievements. Dr. Bharat Mehra, Assistant Professor, Department of Information Sciences, University of Tennessee was the coordinator for the program.
10. **Nasim G. and Hakeem, A. (2007).** Climate change in the Moist Himalayan Forest of Pakistan as a major factor for an increased herbivory pressure on *Impatiens glandulifera* L. in 50th Southern Forest Insect Work Conference 23-26 July 2007 held at Buccaneer Beach Resort, Jekyll Island, Georgia (GA), USA.
11. **Nasim G., Stewart NC., Augé RM., Toler HD., Rudis MS., Good L, Morton JB. 2007.** Response of transgenic tobacco to *Glomus intraradices* under green house conditions, The third Int'l Conference on Plant Pathology, 19-21 November 2007, Organized by Pakistan Phytopathological Society at the department of Mycology and Plant Pathology.
12. **Nasim G., Stewart NC., Augé RM., Toler HD., Rudis MS., Good L, Morton JB. 2007.** Root deformation induced by *Glomus intraradices* in some fluorescent tobacco lines, The third Int'l Conference on Plant Pathology, 19-21 November 2007, Organized by Pakistan Phytopathological Society at the department of Mycology and Plant Pathology.
13. **Nasim G and R Bajwa (2008).** Are medicinally important Resources of our mountainous regions threatened? Throwing light on dark side of the story. 1st International Seminar on Medicinal Plants, Isolation and Applications (ISMP-2008). May 21-23, Jointly Organized by Department of Chemistry (Organic Section), Lahore College for Women University and British Council, Lahore, Pakistan.

14. **Nasim G and R Bajwa (2008).** Role of gene manipulation in the development of arbuscular mycorrhizal (AM) biofertilizer inoculum for economically important plants. 1st International Seminar on Medicinal Plants, Isolation and Applications (ISMP-2008). May 21-23, Jointly Organized by Department of Chemistry (Organic Section), Lahore College for Women University and British Council, Lahore, Pakistan.
15. **Nasim G and R Bajwa (2008).** Why do arbuscular mycorrhizal fungi form hyphal platoons? presented in Centennial meeting of the American Phytopathological Society, "History of excellence, Future of Promise", 26-30th July, Minneapolis, Minnesota, USA.
16. **Nasim G (2009).** "Summary of the days events" at Meeting of the HEC International linkage Project on the management of Parthenium Weed, University of Queensland, Brisbane, Australia from 20-27th July 2009.
17. **Nasim G. and H. M. Waqas (2010).** Inventory of some medicinal and other mushrooms of Ayubia National Park. 2nd International Seminar on Medicinal Plants (ISMP-2010). January 14-16 2010, Jointly Organized by Department of Chemistry, Lahore College for Women University and British Council, Lahore, Pakistan.
18. **Nasim (2010).** Are medicinally important Resources of our mountainous regions threatened? Throwing light on dark side of the story. At Functional significance of mountain biodiversity, GMBA-DIVERSITAS Conference, Chandolin, Switzerland from 26-30 July 2010.
19. **Nasim (2010).** Mycographical analysis of Climate Change and conservation attempts of some threatened macromycetes of Ayubia National park. At Functional significance of mountain biodiversity, GMBA-DIVERSITAS Conference, Chandolin, Switzerland from 26-30 July 2010.
20. Steve W. Adkins¹, Chris O'Donnell¹, Naeem Khan¹, Thi Nguyen¹, Ikramullah Khan¹, Asad Shabbir¹, Kunjitapatham Dhileepan², Doug George¹, Zahid Hanifi¹, Ruey Toh¹, Amalia Belgeri Garcia¹, Sheldon Navie¹, Lorraine Strathie³, Andrew McConnachie³, Lisanework Nigatu⁴, Gul Hassan⁵, **Ghazala Nasim**⁶ and Wondimagegnehu Mersie⁷ (2010). Towards the sustainable management of parthenium weed (*Parthenium hysterophorus* L.) under a changing climate: An international collaborative approach. Presented in the Third International Conference on Parthenium Weed, December 8-10, 2010, organized by Indian Agricultural Research Institute, New Delhi and Entomological Society of India with Indian Council of Agricultural Research, New Delhi, Medical Council of India, National Biodiversity Authority, India, Department of Biotechnology.
21. Waqas HM, **Nasim G**, Zameer M. (2011). Mapping of macromycetes in Ayubia National Park. Meeting of the Pakistan Botanical Society at GCU Lahore, 22-24th March, 2011.
22. Shabbir A, **Nasim G**. 2011. Distribution, ethnobotanical uses and natural enemies of Himalayan balsam from Northern Pakistan. 3rd International symposium on Environmental weeds and Invasive Plants. October 2nd to 7th, 2011, Monte Verita, Ascona, Switzerland.
23. **Nasim G**, Shabbir A, 2011. Shifting herbivory pattern due to climate change: a case study of Himalayan balsam from Pakistan. Presented in an the International Symposium on "Strategies for Conservation of Endangered Ecosystems" held on April 16-18, 2012 at Department of Botany, University of Agriculture Faisalabad, Pakistan.
24. Farkhanda Manzoor, Hassaan Bin Saadat and **Ghazala Nasim**. 2012. Potential Impact of Climate Change on Butterflies Distribution in Pakistan, International Conference, Climate Change: Opportunities and Challenges, 9th -11th May 2012, Islamabad.
- 25.

National:

1. **Nasim G. 1992.** The behavior of a vesicular arbuscular mycorrhizal fungus against a pathogen in the scales of *Chlorophytum comosum* Baker. In The proceedings of all Pakistan Science Conference held at Khanuspur from May 16-21, 1992.
2. **Nasim G. Umar K. 1992.** Endogonaceous spores associated with potato crop. In The proceedings of all Pakistan Science Conference held at Khanuspur from May 16-21, 1992.
3. **Nasim G. Zahra T. 1992.** Effect of hormonal treatment on the growth, biomass and sporulation of three pathogenic fungi. In The proceedings of all Pakistan Science Conference held at Khanuspur from May 16-21, 1992.
4. **Nasim G. Zahra T 1992.** Effect of IAA on the growth rate and biomass of *Trichoderma viride* and its exudation in liquid medium. In The proceedings of all Pakistan Science Conference held at Khanuspur from May 16-21, 1992.
5. **Nasim G. Ayub M. 1992.** Effect of varying soil composition on the incidence of disease caused by *Fusarium moniliforme* in Tomato. In the Proceedings of All Pakistan Science Conference held at Khanuspur from May 16-21.
6. **Nasim G. 1999.** "Some studies on water relation". Refresher course for in-service college teachers, regional Center of University Grants Commission (UGC), Lahore.
7. **Nasim G. 1999.** "Some recent information on the mode of action of Auxins and Gibberellins". Refresher course for in-service college teachers, Regional Center of University Grants Commission (UGC), Lahore.
8. **Nasim G. 1999.** "Some studies on respiratory electron transport systems". Refresher course for in-service college teachers, Regional Center of University Grants Commission (UGC), Lahore.
9. **Nasim G. 2000.** "Role of symbiotic soil fungi in controlling roadside erosion and in the establishment of plant communities". Provincial Workshop on Environment Awareness and Solid Waste Management" held at South Asian Study Center, Punjab University, Lahore from May 31st- June 2nd 2000.
10. **Khokhar MS. Nasim G. 2000.** Seasonal occurrence of vesicular arbuscular mycorrhizae in roots and non-root underground portions of some herbaceous plants of Lahore. 'Seventh National Conference of Plant Scientists, Lahore, Pakistan, 14-16 November 2000.
11. **Aurangzeb M. Mehmood R. Nasim G. Yousaf F. 2000.** Some VA mycorrhizal studies in *Eucalyptus*, *Casuarina* and *Acacia* under different salinity levels. 'Seventh National Conference of Plant Scientists, Lahore, Pakistan, 14-16 November 2000.

12. **Nasim G. Bajwa R. 2003.** Interaction of six *Glomus* species and their interspecific interactions in Wheat field. Seventh International conference of the Pakistan Society for Biochemistry and Molecular Biology entitled "Trends in Biochemistry and Molecular Biology", April 2-5, 2003, Institute of Biochemistry and Biotechnology University of the Punjab, Lahore, Pakistan.
13. **Nasim G. 2004.** Use of *Parthenium* weed in Flower Bouquets, presented in two days HEC sponsored seminar on Let's Fight The Menace, Awareness of *Parthenium* weed, 6-7 August 2004 organized by the Department of Mycology and Plant Pathology, University of the Punjab, Lahore.
14. **Nasim G. 2004.** Glomalean Fungi in HEC workshop on Identification and conservation of Micromycetes, 23-28th August, 2004, organized by the Department of Mycology and Plant Pathology, University of the Punjab, Lahore.
15. **Nasim G. 2005.** Presentation on Life Cycle of Plants to class V students in Junior School, 15th February 2005, Beacon House School Systems, Garden Town Campus, Lahore.
16. **Nasim G. 2005.** Presentation on Life Cycle of Plants to class V students in Junior School, 17th February 2005, Beacon House School Systems, Garden Town Campus, Lahore.
17. **Nasim G. 2005.** ARBUSCULAR MYCORRHIZAE ALONG KKH: I-Role of AM in the establishment of plant communities at Chilas, Gilgit, Pakistan. Ist International Karakorum Conference, Islamabad, from 25-27th April, 2005 organized by Geological Society of Pakistan.
18. **Nasim G. 2005.** Glomalean spores associated with plants of high alpine meadows of Pakistan, Ist International Karakorum Conference, Islamabad, from 25-27th April, 2005 organized by Geological Society of Pakistan.
19. **Nasim G. 2005.** Global climate change and pepa (Pakistan environmental law)- where do we stand. National Workshop on Global Change-Challenges, Impacts, Opportunities and Prospects, Islamabad, from 28th to 30th April, 2005. Organized by Ascanics and APN and CAPABLE.
20. **Nasim G. 2005.** mountain mycorrhizal biodiversity in the northern Pakistan-yesterday, today and tomorrow. National Workshop on Global Change-Challenges, Impacts, Opportunities and Prospects, Islamabad, from 28th to 30th April, 2005. Organized by Ascanics and APN and CAPABLE.
21. **Nasim G. Bajwa R. 2005.** responses of soil mycoflora to elevated levels of tropospheric ozone, nitrogen dioxide in a mega city of Pakistan. National Workshop on Global Change-Challenges, Impacts, Opportunities and Prospects, Islamabad, from 28th to 30th April, 2005. Organized by Ascanics and APN and CAPABLE.
22. **Nasim G. 2005.** Global Change and food security in Pakistan. Food and Agro-Asia 2005. Second International conference on higher National productivity in food & Agriculture & Exhibition of Food & Agricultural Products, Equipment, Machinery and services. Lahore May 3-4, 2005. Organized by NPO, APO, Govt. of Punjab, Farmers Associates Pakistan, Ewan-e-Zaraat Punjab, The Development Times.
23. **Nasim G. 2005.** AM and BAF in positive synergism to control root born plant diseases. 1st International symposium on Biofertilizers and Biocontrol technology. Organized by the Department of Mycology & Plant Pathology, University of the Punjab, Lahore in collaboration with National Productivity organization (NPO), Asian Productivity Organization (APO) and Higher Education Commission (HEC). 25th to 27th July, 2005.
24. **Nasim G. 2005.** Fascinating world of Glomalean Fungi in "Recent vistas in botanical knowledge" on 6th December, 2005. organized by Government College University, Faisalabad.
25. **Nasim G. 2005.** Water Resources in Global Perspective. Recent vistas in botanical knowledge" on 6th December, 2005. organized by Government College University, Faisalabad.
26. **Nasim G. 2006.** "Global change and disease outbreak". In All Pakistan International SAARC countries conference organized by the university of veterinary Sciences. February 13-15.
27. **Nasim G. 2006.** "Taking Stock of Mountain Biodiversity" in a short course on environmental monitoring from 29th May-2nd June 2006, organized by Pakistan Space and Upper Atmosphere Research Commission (SUPARCO) and Centre for Integrated Mountain Research (CIMR) and Centre for Advanced Study and Research (CASR), at Khanuspur Ayubia.
28. **Nasim G. 2006.** "Global change and Desertification" on World Environment Day, 5th June, 2006 organized by Environmental Protection Department, Punjab and Pakistan Engineering congress.
29. **Nasim G. 2007.** "Fungal Bioassay", Lecture delivered in Two-days Training workshop on Bioassay techniques organized by the Department of Chemistry, LCWU At Lahore college for Women University under HEC-BC linkage program from 12-13 December 2007.
30. **Nasim G. 2008.** Recent Trends in Mycorrhizal Research, 2nd National conference of National Core Group of life Sciences, Bahaudin Zikaraya University, Multan, From 30-31st January 2008.
31. **Bajwa R. Nasim G. 2008.** Evolution of Host Specificity and Virulence in Plant Pathogenic Fungi presented in International Conference of Plant Scientists, 21st -24th April 2008, University of Agriculture, Faisalabad.
32. **Nasim G. Bajwa R. Stewart NC. Augé RM. Toler HD. Rudis M. Good L. Morton JB. 2008.** Why do arbuscular mycorrhizal fungi form hyphal platoons? presented in International Conference of Plant Scientists, 21st -24th April 2008, University of Agriculture, Faisalabad.
33. **Memoona R Nasim G. 2008.** Cytokinin priming as a tool to induce *InVitro* growth and biomass production of some soil fungi, presented in International Conference of Plant Scientists, 21st -24th April 2008, University of Agriculture, Faisalabad.
34. **Bajwa R. Nasim G 2008.** Prospects of Gene Manipulation in Filamentous Fungi, presented in International Conference of Plant Scientists, 21st -24th April 2008, University of Agriculture, Faisalabad.
35. **Umar K. Nasim G. 2008.** Arbuscular mycorrhizal fungi from tissue culture raised potato fields in Sahiwal, Pakistan. presented in International Conference of Plant Scientists, 21st -24th April 2008, University of Agriculture, Faisalabad.
36. **Nasim G Bajwa R. 2008.** Evaluation of inoculum potential of fifteen different inocula for inducing arbuscular mycorrhiza in wheat (*Triticum aestivum* L. cv. pak 81) presented in International Conference of Plant Scientists, 21st -24th April 2008, University of Agriculture, Faisalabad.
37. **Nasim G. 2008.** Global climate change and future food security in Earth day seminar entitled "Call for the climate", organized by Environmental Protection Department (EPD), Govt. of the Punjab on 22, April 2008.

38. **Nasim G. 2008. Global Carbon Cycle-The myth and the miracle in** Environment day Seminar entitled “Moving Towards Low Carbon Economy”, organized by Environment Protection Department, Government of the Punjab, Lahore.
39. **Nasim G. 2008. Oral presentation entitled “Potential of IMPP in exploiting resources in R & D sector for strengthening industrial productivity”** at LCCI October 30th, 2008.
40. **Nasim G. 2009. Oral presentation entitled “Go Green for Greener Globe”** in Earth Day Seminar with a theme of “The Green Generation” on 22nd April 2009 at Alhamra Arts Council organized by Environment Protection Department.
41. **Ali M. Nasim G. 2009. Antimicrobial analysis of Ganoderma lucidum.** Presented at National symposium on Pharmacological Studies of Medicinal Plants, June 20, 2009. Jointly Organized by Department of Chemistry (Organic Section), Lahore College for Women University and British Council, Lahore, Pakistan.
42. **Bajwa R. Nasim G. Akram W. 2009. Integrated management of Parthenium weed.** Presented at 9th National Weed Science Conference, sponsored by Weed Science Society of Pakistan (WSSP) held on June 28-30, at NWFP Agriculture University, Peshawar.
43. **Bajwa R. Nasim G. Khursheed S. 2009. Effect of osmotic shock on Parthenium weed** Presented at 9th National Weed Science Conference, sponsored by Weed Science Society of Pakistan (WSSP) held on June 28-30, at NWFP Agriculture University, Peshawar.
44. **Bajwa R. Iqbal MJ. Nasim G. 2009. Infestation of alien invasive weed species Parthenium hysterophorus in district Lahore, Pakistan.** Presented at 9th National Weed Science Conference, sponsored by Weed Science Society of Pakistan (WSSP) held on June 28-30, at NWFP Agriculture University, Peshawar.
45. **Bajwa R. Nasim G. Ahmed A. 2009. Associative Microorganisms of Parthenim weed.** Presented at 9th National Weed Science Conference, sponsored by Weed Science Society of Pakistan (WSSP) held on June 28-30, at NWFP Agriculture University, Peshawar.
46. **Bajwa R. Nasim G. Mehmood N. Summer A. 2009. First report of Parthenium Biotypes from Punjab, Pakistan** Presented at 9th National Weed Science Conference, sponsored by Weed Science Society of Pakistan (WSSP) held on June 28-30, at NWFP Agriculture University, Peshawar.
47. **Nasim G. 2009. Lecture on “Environment”** at closing ceremony of a painting exhibition at Alhamra Arts Council, Lahore.
48. **Nasim G. 2010. “Why Conserving Biodiversity?”** presented at a Seminar on World’s Environment day, 4th June 2010, organized by EPD, Ecogreen, PU Law college, Asia Pacific associates at Dr. Pervaiz Hassan centre for Environmental Law.
49. **Nasim G. 2010. “Taking stock of Mountain Biodiversity”**, Seminar on World Environment Day, 8th June 2010, organized by District Officer, Environment Protection Department, District Chakwal.
50. **Nasim G. 2011. “Deforestation-An ailment or a curse”**, Seminar on World Environment Day, 6th June 2011, on the theme “Forests-Nature at Your Service” organized by Environment Protection Department, Government of the Punjab at Alhamra arts council, the Mall Lahore.
51. **Nasim G. 2011. “Scientific book reading and writing”.** Urdu Science Board (Cabinet Division), NEEC (National Educational Equipment Centre), 2nd July, 2011, Lahore.
52. **Nasim G. 2012. “Impact of Climate Change on Agriculture & Forestry”** in one day seminar on Climate Change: Consequences and mitigation measures. Organized by EPA, Punjab at Qaddafi Stadium Lahore, on 9th February 2012.
53. **Nasim G. 2012. “Impact of Climate Change on Agriculture & Forestry”** in one day seminar on Climate Change: Consequences and mitigation measures. Organized by EPA, Punjab at Gujranwalla Chambers of Commerce, on 19th April, 2012.

THESIS WORK SUPERVISED:

M.Sc. Thesis:

1. Taskeen Zahra (1991). Effect of some hormones on the growth of *Fusarium* spp. and *Trichoderma viride*.
2. Khalid Umar (1991). VA mycorrhizal status of tissue culture raised clones of potato, types of Endogonaceous spores and tuber borne fungi associated with them.
3. Muhammad Ayub Sheikh (1991). Effect of variable soil texture and VAM preinoculation on the occurrence of damping off caused by *Fusarium* spp. on tomato.
4. Nusrat Naz (1991). Effect of preinoculation of tomato seedlings with VAM, *Trichoderma viride* and *Aspergillus flavus* on the pathogenicity of *Fusarium* spp.
5. Mohammad Ijaz (1991). VAM status of different chickpea varieties and in vitro interaction of *Ascochyta rabiei* with different soil born fungi.
6. Munawar Din (1992). Isolation of phylloplane fungi of chickpea (*Cicer areitinum* L.) and study of their dynamics in relation of VA mycorrhiza and incidence of *Ascochyta* blight.
7. Tabinda Shah (1992). Synergistic association of fungi affecting potato plant raised through tissue culture.
8. Rukhsana Sharif (1992). Effects of fungal antagonism on growth and VA mycorrhizal status of potato plants raised through tissue culture.
9. Musarrat Shaheen (1994). Development of vesicular arbuscular mycorrhizal infections and seasonal spore dynamics in the rhizosphere of peanut (*Arachis hypogea* L.).
10. Adil Fatima (1994). Effect of seven different inoculation treatments on growth and vesicular arbuscular mycorrhizal status of wheat, *Triticum aestivum* L. cv. Pak 81.
11. Shahida Saeed (1994). The influence of air filtration on growth and vesicular arbuscular mycorrhizal status of wheat, *Triticum aestivum* cv. Pak 81.
12. Samina Khursheed(1996). Effect of change in sowing time on VAM colonization and subsequent growth of wheat, *Triticum aestivum* L. cv. Inqilab-91.

13. Saima Irum (1996). Effect of allelopathy in some local grasses on their VA mycorrhizae and dynamics of Endogonaceous spore flora.
14. Shahbaz Ali (1996). Aeromycoflora of four hospitals of Lahore.
15. Saima Riaz (1997). Some observation on sporulation and successional stages of VAM fungi in post harvested stumps of rice and maize.
16. Bushra Mushtaq (1997). Colonization patterns of VAM fungi in decaying leaves of *Dalbergia sissoo*, *Tabernaemontana divaricata* and *Zea mays*.
17. Shahid Hameed Malik (1998). Effect of various culture media and substrates on tissue culture, multispore culture and subsequent productivity of oyster and chinese mushrooms.
18. Ghulam Abbas Haral (1998). Correlation of VAM status of field grown sugarcane to the incidence of ratta roag.
19. M. Siddique Khokhar (1999). Seasonal occurrence of VAM in roots and non-root portions of some herbaceous plants of Lahore.
20. Bushra Bukhari (1999). Vesicular arbuscular mycorrhizal fungi in host and non-host crops and their weeds.
21. Memoona Rahman (2003). Effect of three different plant hormones on *InVitro* growth and biomass production of some soil fungi.
22. Nusrat Ilyas (2003). Effect of salts of copper and organic pesticides on *InVitro* growth of some soil fungi.
23. Saira Bano (2003). Effect of aqueous extracts of Neem and papaya on *InVitro* seed germination and VA mycorrhizal status of *Parthenium hysterophorus* L.

M.Sc. Hons. (M.Phil):

24. Neelum Nazir (2007-8). Some studies on thermophilic and thermotolerant fungi.
25. Samreen Seher (2008-9). Prospects of organic farming for selected cereals and vegetable crops.
26. Mohammad Ali (2008-2009). Characterization and antimicrobial analysis of *Ganoderma lucidum* isolates from Lahore.
27. Mohammed Javed Iqbal (2009-2010). Ecological Status of *Parthenium* weed (*Parthenium hysterophorus* L.) in district Lahore (Pakistan) and its outskirts with some biocontrol management options.
28. Adnan Alvi (2009-2010).
29. Hafiz Mohammed Waqas (2009-2010).
30. Safeeda Anwar (2009-2010). Intercomparison of rhizospheric microbial flora of wild and hybrid varieties of some economically important crops.
31. Sadaf Naseem (2009-2010). Biocontrol of *Euphorbia helioscopia* using fungal pathogens.
32. Sana Khan (2009-2010). Disease constraints of hydroponically grown ginger (*Zingiber officinale* Rosc.)
33. Saira Jabeen (2009-2010). Effect of application of Humic acid on seed vigor and subsequent growth of some economically important crops.
34. Aysha Naureen (2010-2011). Effect of humic acid and ascorbic acid on growth and mycorrhizal status of some economically important plants.

Internships:

1. **Sidra Mushtaq** (2005-2006). Effect of Calcium acetate on shelf life of bread. B.Sc. Hons. 6th Semester, Department of Mycology & Plant Pathology, University of the Punjab, Lahore At Food Biotechnology Lab., PCSIR Labs, Lahore.
2. **Sana Hanif**. (2005-2006). Enhancement studies on shelf life of bread by using novamyl enzyme (maltogenic α -amylase. B.Sc. Hons. 6th Semester, Department of Mycology & Plant Pathology, University of the Punjab, Lahore At Food Biotechnology Lab., PCSIR Labs, Lahore.
3. **Sana Faooq**. (2005-2006). Role of Calcium propanate in extending the shelf life of bread. B.Sc. Hons. 6th Semester, Department of Mycology & Plant Pathology, University of the Punjab, Lahore At Food Biotechnology Lab., PCSIR Labs, Lahore.
4. **Sadaf Rana** (2007-2008) Genotyping of segregating populations of rice (*Oryza sativa* L.), School of Biological Sciences, University of the Punjab, Lahore.
5. **Fazl-e-Haq Amjad** (2007-2008). Yield comparison of inbred and hybrid varieties of cotton, Auriga Group of Companies, Lahore.
6. **Mohammed Azmatullah Khan** (2008). The study of phylogenetic relationship of cotton varieties by PCR method. Cotton Research Institute, Multan.
7. **Samia Khan** (2008). The study of molecular polymorphism and phylogenetic relationship of *Alternaria alternata* strains. Fungal Culture Bank of Pakistan, Institute of Mycology & Plant Pathology, University of the Punjab, Lahore.
8. **Mohammed Umar Jamshed** (2008). Developing Empirical Stochastic forecast model for prediction of wheat leaf rust severity in Southern Punjab using meteorological Data. Pakistan Department of Meteorology, Islamabad.
9. **Umair Ferhat** (2008). Developing Empirical Stochastic forecast model for cotton leaf curl virus in Multan using meteorological data. Pakistan Department of Meteorology, Islamabad.
10. **Fasiha Qureshi** (2009). Chemical analysis of ground and canal surface irrigation water (EPD).
11. **Asma Ibrahim** (2009). Analysis of drinking water quality and effect of waste water of paper and pulp industry on vegetable growth (EPD).
12. **Khadija Aliya** (2010). Production of *L. asparaginase* in *Escherichia coli* from hyperthermophilic archaeon *Thermococcus kodakaraensis*.
13. **Saira Ayub** (2010). Production of asparaginase from hyperthermophilic archaeon *Pyrobaculum calidifontis*, In *Escherichia coli*.
14. **Noor-ul-Ain** (2010). Isolation, identification and preservation of *Penicillium* spp. From rhizosphere soil of mitchell's fruit farm.
15. **Maryam Noreen** (2010). Evaluation of the phytotoxic activity of *Fusarium* metabolites against *Dalbergia sissoo* Roxb.

Ph.D.:

Irum Mukhtar. Pathobiology of sheesham dieback (Thesis submitted in 2012)

Ibatsam Khokhar. Molecular analysis of *Penicillium* Species from Pakistan. (Submission due in August 2012)

Rashida Jabeen. Molecular analysis of Biotypes of *Parthenium* from Australia and Pakistan. (Research work in Progress)

RESEARCH PUBLICATIONS

1. **Iqbal SH. Nasim G. 1986.** Vesicular arbuscular mycorrhiza in roots and other underground portion of *Curcuma longa*. *Biologia*, 32(1): 223-228. **[HEC Recognized]**
2. **Iqbal SH. Nasim G. 1986.** Vesicular arbuscular mycorrhiza in roots and other part of *Zingiber officinale* Roscoe. *Biologia*, 32(1): 273-277. **[HEC Recognized]**
3. **Iqbal SH and Nasim G 1986.** Vesicular arbuscular mycorrhiza in roots and underground rhizomatous portions of *Musa paradisiaca*. *Biologia*, 32(1): 279-281. **[HEC Recognized]**
4. **Nasim G. Iqbal SH. Bhutta AA. 1987.** *Equisetum*: An excellent host for vesicular arbuscular mycorrhiza. *Biologia*, 33(1): 97-103. **[HEC Recognized]**
5. **Iqbal SH. Nasim G. Niaz M. 1987.** VA mycorrhiza as a deterrent to mixed pathogenic infection caused by *Rhizoctonia solani* and *Fusarium moniliforme* in *Brassica oleraceae*. *Biologia*, 33(2): 201-207. **[HEC Recognized]**
6. **Iqbal SH. Nasim G. Niaz M. 1987-I.** Role of VA mycorrhiza as deterrent against pathogenic infections caused by *Fusarium moniliforme* in *Brassica oleraceae*. *Biologia*, 33(2): 271-277. **[HEC Recognized]**
7. **Iqbal SH. Nasim G. Niaz M. 1987-II.** Role of VA mycorrhiza as a deterrent to damping off caused by *Rhizoctonia solani* in *Brassica oleraceae*. *Biologia*, 34(1): 79-84. **[HEC Recognized]**
8. **Iqbal SH. Nasim G. 1988-IV.** VA mycorrhiza as a deterrent to damping off caused by *Rhizoctonia solani* in *Brassica oleraceae*. *Biologia*, 34(1): 215-222. **[HEC Recognized]**
9. **Iqbal SH. Nasim G. Shahjahan. 1988-III.** VA mycorrhizal fungi associated with three mosses (*Sphagnum cymbifolium*, *Politrichum commune* and *Funaria hygrometrica*). *Biologia*, 34(2): 269-273. **[HEC Recognized]**
10. **Iqbal SH. Nasim G. Shahjahan. 1988-II.** VA mycorrhizal fungi associated with a bryophyte, *Marchantia palmata*. *Biologia*, 34(2): 275-278. **[HEC Recognized]**
11. **Iqbal SH. Nasim G. Shahjahan. 1988-I.** Vesicular arbuscular mycorrhizal fungi associated with an alga (*Chara sp.*). *Biologia*, 34(2): 279-281. **[HEC Recognized]**
12. **Nasim G. Iqbal SH. 1989.** Vesicular arbuscular mycorrhizal fungi in angiospermic leaf litter. *Science International (Lahore)*, 1(6): 388-391.
13. **Nasim G. 1990.** Vesicular arbuscular mycorrhiza in portions other than root. In: Current trends in mycorrhizal research. (Eds.) Bushan L. Jalali and L. Chand) Proceedings of the national conference on mycorrhiza. At Haryana Agricultural University, Hisar, Feb. 14-16, pp. 4-6.
14. **Nasim G. 1990.** VA Mycorrhiza In Pteridophytes. Vesicular arbuscular mycorrhiza in *Marselia quadrifolia* (short communication). *Science International (Lahore)*, 2(1): 47-50
15. **Iqbal SH. Nasim G 1990.** Survival of VAM endophytes in scale leaves and epidermis of underground plant portions for VAM inoculation. *Pakphyton*, 111-120.
16. **Iqbal SH, Zahoor R, Nasim G and Khalid AN 1990.** Occurrence of vesicular arbuscular mycorrhizal association in chillies infected with root borne pathogens. *Science International (Lahore)*, 2(3): 233-238.
17. **Nasim G. 1990.** Vesicular arbuscular mycorrhizal endophyte in roots, scale leaves and epidermal cells of the rhizomatous tissues of *Colocasia antiquorum* (L.) Schott. *Scientific Khyber*, 3(2): 183-194.
18. **Iqbal SH. Shahbaz. Nasim G. 1990.** State of mycorrhizae in some ornamental gymnospermous tree species of Pakistan. *Pakistan Journal of Forestry*, 237-246. **[HEC Recognized]**
19. **Khalid AN. Shahid S. Nasim G. 1991.** Influence of burning on VA mycorrhiza. II. Effect of burning on mycorrhizal status of weeds in the subsequent crop. *Science International (Lahore)*, 3(1): 85-88.
20. **Iqbal SH. Khalid AN. Nasim G. 1991.** Influence of burning on VAM endophytes. I. Effect VA endophytes and other soil mycoflora of a wheat field. *Science International (Lahore)*, 3(1): 89-92.
21. **Nasim G. Iqbal SH. 1991.** Endogonaceous spores associated with tropical plants. *Science International (Lahore)*, 3(1): 93-100.
22. **Iqbal SH. Nasim G. 1991-V.** Role of VA mycorrhiza against *Fusarium* damping-off in *Brassica oleraceae* at different temperatures. *Science International (Lahore)*, 3(2): 145-148.
23. **Nasim G. Iqbal SH. Bajwa R. 1991.** Commelinaceae - Another non-host plant family for vesicular arbuscular mycorrhiza. *Science International (Lahore)*, 3(3): 245-246.
24. **Nasir BA. Khalid AN. Nasim G. 1991.** Fate of VA mycorrhizal structures in herbarium specimens. *Science International (Lahore)*, 247-250.
25. **Nasim G. Iqbal SH. 1991.** Endogonaceous spore flora of Pakistan. II. Spores formed in association with decayed root pieces and organic matter. *Science International (Lahore)*, 3(3): 241-244.
26. **Iqbal SH. Nasim G. 1991.** Are under ground non-root portions of tropical plants vesicular arbuscular mycorrhizal ? *Transactions of the Mycological Society of Japan*, 32: 467-476.
27. **Nasim G. Iqbal SH. 1991.** Fate of Endogonaceous spores in soil. *Transactions of the Mycological society of Japan*, 32: 517-522. **[HEC Recognized]**
28. **Nasim G. Iqbal SH. 1991.** Species of *Glomus* associated with non-root portions of some rhizomatous plants and characteristics of their mycorrhizae. *Transactions of the Mycological Society of Japan*, 32: 541-545. **[HEC Recognized]**
29. **Iqbal SH. Shahjahan. Firdaus-e-Bareen. Nasim G. 1991.** Mycorrhizae of the leguminosae. IV. Vesicular arbuscular mycorrhizal infections in root nodules of some common Leguminous weeds. *Pakistan Journal of Agricultural Research*, 2(3): 206-212. **[HEC Recognized]**

30. **Nasim G. Umar K. Zahoor R. 1991.** Endogonaceous spore flora of Pakistan. IV. Sporocarpic endogonaceae in the scales of *Chlorophytum commosum*. Science International (Lahore), 3(4): 331-335.
31. **Nasim G. 1991.** Vesicular arbuscular mycorrhizae in two *Curcuma* Species (*C. zeodaria* and *C. longa*) of medicinal importance. Pakistan Journal of Forestry, 41(4): 194-201. **[HEC Recognized]**
32. **Nasim G. Zahoor R. Haider ST. 1992.** Determination of regeneration of VAM infections in senescing roots of wheat stumps by infection unit method. Acta Scientia, 2(2): 109-114.
33. **Nasim G. 1992.** Endogonaceous Spore Flora of Pakistan. Spores formed in association with moribund root pieces. Biologia, 37(2): 207-215. **[HEC Recognized]**
34. **Nasim G. Shaheen M. 1992.** Seasonal dynamics and interaction of seven Endogonaceous spore types associated with peanut (*Arachis hypogaea* L.). Journal of Systematic and Experimental Biology, 2(1): 37-46.
35. **Nasim G. Fatima A. Shaheen M. Bajwa R. 1992.** Effect of six different inocula on growth and VAM status of wheat (*Triticum aestivum* L. Pak 81). Journal of systematic and Experimental Biology, 2(1): 47-68.
36. **Nasim G. Shaheen M. 1992.** Vesicular arbuscular mycorrhizal infections in root nodules of peanut, *Arachis hypogaea* L. cv. Banki. Journal of Systematic and Experimental Biology, 2(1): 69-76.
37. **Bajwa R. Mahmood S. Naz JZ. Nasim G. 1992.** Rhizospheric mycoflora of *Desmostachya-Sueda* association in saline soil. Journal of systemic and Experimental Biology, 2(1): 77-78.
38. **Nasim G. Zahoor R. 1993.** Some evolutionary trends in VA mycotrophy I. Vesicular arbuscular mycorrhizae in family Ranunculaceae from Murree Hills, Pakistan. Pakphyton, 5: 5-20.
39. **Nasim G. Zahoor R. Haider ST. 1993.** Endogonaceous spore flora of Pakistan. VII. Host specificity in vesicular arbuscular mycorrhizal fungi for the members of family Agavaceae. Pakphyton, 5: 167-178.
40. **Nasim G. Zahoor R. 1994.** Endogonaceous spore flora of Pakistan. VI. Vesicular arbuscular mycorrhizal symbiosis in C3 and C4 grasses of Murree Hills and adjacent areas. Scientific Khyber, 7(1): 1-17.
41. **Nasim G. Zahoor R. 1994.** Mycophagy in non-arthropods. I. Endogonaceous spore flora of fecal pellets of Earthworm (*Lumbricus terrestris*, K. N. Bahl). Pakistan Journal of Zoology, 26(2): 113-117. **[HEC Recognized]**
42. **Nasim G. 1994.** Behaviour of vesicular arbuscular mycorrhizal fungi against a pathogen in the scales of *Chlorophytum commosum* Baker Pakistan Journal of Phytopathology, 6(1): 1-6. **[HEC Recognized]**
43. **Nasim G. Zahoor R. 1994.** Vesicular arbuscular mycorrhizae in seven species of *Arisaema* growing in humid to sub-humid Western Himalayan Forest of Pakistan. Pakistan Journal of Phytopathology, 6(1): 26-30. **[HEC Recognized]**
44. **Bajwa R. Mahmood S. Nasim G. 1994.** Effect of microwave radiation on the seed germination and seedling growth of wheat. Acta Scientia, 4(1&2): 55-58.
45. **Bajwa R. Naz JZ. Nasim G. 1994.** Rhizospheric mycoflora of Maize, Rice and wheat seedlings. Acta Scientia, 4(1&2): 51-54.
46. **Nasim G. Zahoor R. 1994.** Vesicular Arbuscular mycorrhizal sheathing leaf bases of some grasses. Biologia, 40(1&2): 79-83. **[HEC Recognized]**
47. **Javed A. Bajwa R. Tasneem Z. Nasim G. 1995.** Allelopathy and VA mycorrhiza. III. Vesicular arbuscular mycorrhiza (VAM) in allelopathic and non-allelopathic grasses. Science International (Lahore), 7(4): 545-547.
48. **Nasim G. Zahoor R. 1995.** Comparison of spore morphology of *Glomus monosporum* from Pakistan and U. S. A. Scientific Khyber, 8(1): 49-55.
49. **Bajwa R. Mahmood S. Ashfaq A. Nasim G. 1995.** Effect of electromagnetism on nodulation, vesicular arbuscular mycorrhizal infections and top growth in chickpea. I. Response of electromagnetised *Rhizobium*. Pakistan Journal of Phytopathology, 7(1): 76-77. **[HEC Recognized]**
50. **Bajwa R. Mahmood S. Ashfaq A. Nasim G. 1995.** Effect of electromagnetism on nodulation , vesicular arbuscular mycorrhizal infections and top growth of Chickpea. II. Response of electromagnetized seeds. Pakistan Journal of Phytopathology, 7(1): 78-79. **[HEC Recognized]**
51. **Nasim G. Bajwa R. 1995.** In vitro germination of excised buds of *Arisaema utile* HK. F and development of VA mycorrhiza in explants in aseptic conditions. Scientific Khyber, 8(2): 65-67.
52. **Nasim G. Zahoor R. 1995.** Vesicular arbuscular mycorrhiza in plants of medical importance. I. Zadoary and II. Turmeric. Scientific Khyber, 8(2): 55-64.
53. **Bajwa R. Aslam R. Nasim G. 1995.** Check-list of mushrooms of Pakistan, I. Kaghan: Shogeran. Biota, 1(1&2): 1-6.
54. **Nasim G. Haider ST. Zahra T. Zahoor R. 1995.** Effect of IAA on growth, Biomass and antifungal exudates of *Trichoderma viride*. Biota, 1(1&2): 25-40.
55. **Nasim G. Saeed S. Wahid A. Bajwa R. 1995.** Impact of air pollution on growth, yeild and vesicular arbuscular mycorrhizal status of wheat, *Triticum aestivum* var. Pak. 81. Biota, 1(1&2): 91-111.
56. **Bajwa R. Naz JZ. Nasim G. 1995.** Seasonal variation in the rhizospheric mycoflora of *Acacia arabica* in saline soil. Biota, 1(1&2): 131-133.
57. **Javed A. Bajwa R. Tasneem Z. Nasim G. 1996.** Allelopathy and VA mycorrhiza IIEffect of allelopathic exudates of *Dicanthium annulatum* (Forssk.) Stapt. On VA mycorrhiza of associated perennial and annual winter weeds, Pakistan Journal of Phytopathology, 8(2): 103-106. **[HEC Recognized]**
58. **Bajwa R. Mahmood S. Naz JZ. Nasim G. 1996.** Influence of electromagnetism on mycorrhizal status and growth of sunflower. Scientific Khyber, 9(1): 37-40.
59. **Nasim G. Zahoor R. Shaheen M. Saeed S. 1996.** Colonisation patterns of *Glomus mosseae* on decayed leaves of *Dalbergia sisso* Roxb. and *Terminalia arjuna* Whight and Arn. Scientific Khyber, 9(10): 47-60.
60. **Nasim G. Zahoor R. Fouqia IJ. Bajwa R. 1996.** Effect of rooting Harmon (IAA) on the growth of saprophytic and VAM fungi colonising scale-like leaves. Scientific Khyber, 9(1): 41-46.
61. **Nasim G. Shaheen M. Bajwa R. Zahoor R. 1996.** Effect of age of host on the development of vesicular arbuscular mycorrhiza in peanut (*Arachis hypogaea* L. cv. Banki. Pakistan Journal of Phytopathology, 8(1): 28-36. **[HEC Recognized]**

62. **Bajwa R. Javed A. Tasneem Z. Nasim G. 1995.** Allelopathy and VA mycorrhiza I. Suppression of VA mycorrhiza in leguminous plants by phytotoxic exudates of *Imperata cylindrica* (L.) Beauv. Pakistan Journal of Phytopathology, 8(1): 25-27. **[HEC Recognized]**
63. **Bajwa R. Mahmood S. Naz JZ. Nasim G. 1996.** A quick method of clearing and staining VA mycorrhizal roots. Scientific Khyber, 9(2): 34-47.
64. **Nasim G. Shah T. Zahoor R. 1996.** Vesicular arbuscular mycorrhiza as a deterrent to pathogenic infections caused by *Rhizoctonia solani* in potato. Scientific Khyber, 9(2): 63-70.
65. **Nasim G. Edmonds RL. 1996.** Vesicular arbuscular mycorrhizal fungi in testa of seeds isolated from rhizosphere soil of *Thuja plicata* Donn. Scientific Khyber, 9(2): 53-62.
66. **Nasim G. Zahoor R. 1996.** Seasonal spore dynamics of six *Glomus* species and their interspecific interactions in a wheat field. Scientific Sindh, 3: 73-82.
67. **Nasim G. Zahoor R. Shaheen M. 1997.** Endogonaceous Sopro Flora Of Pakistan. VIII. VAM fungi sporulating inside spores of other VAM fungi. Scientific Khyber, 10(1): 21-31.
68. **Nasim G. 1995.** Vesicular arbuscular mycorrhizae in Pteridophytes. (a). VA mycorrhiza in three species of *Selaginella*. Biologia, 41 (1): 53-63. **[HEC Recognized]**
69. **Bajwa R. Ahmad S. Uzma M. Nasim G. Wahid A. 1997.** Impact of air pollution on Mungbean *Vigna radiata* (L.) Wilczek grown in open top chamber system in Pakistan. I. Effect on Vegetative Growth and yeald. Scientific khyber, 10 (2): 37-50.
70. **Nasim G. Zahoor R. 1997.** Ontogeny of sporocarps of *Glomus monosporum*. Sarhad Journal of Agriculture, XIII (2): 181-18.
71. **Nasim G. Saeed S. Shaheen M. Naqvi ZH. Sheikh S. 1998.** Wheat stumps, a source of VAM inoculum for the incoming crop. Scientific Khyber: 43-56.
72. **Nasim G. Shaheen M. Aurangzeb M. Sheikh S. 1998.** Endogonaceous spores associated with field grown paenut, *Arachis hypogaea* L. cv. Banki. Scientific Khyber, 11(2): 57-62.
73. **Nasim G. Ali S. Wahid A. 1998.** Aeromycoflora of four hospitals of Lahore. Pakistan Journal of Zoology, 30(4): 301-306.
74. **Nasim G. Irum S. Ali S. Wahid A. Sheikh S. 1999.** Allelopathic effects of four local grasses on their VAM status and dynamics of endogoinaceous spore flora. Scientific Khyber, 12(1): 1-14.
75. **Nasim G. Malik SH. Bajwa R. Afzal M. Mian SW. 2001.** Effect of different culture media on mycelial growth of oyster and Chinese mushrooms. On Line Journal of Biological Sciences 1(12): 1130-1133.
76. **Nasim G. Bajwa R. 2003.** Endogonaceous spore flora of Pakistan. IX. Frequency of occurrence of VAM fungi in wheat fields around Punjab University Campus Area. Mycopath, 1(1): 67-80.
77. **Nasim G. Din M. Ali S. Shabbir A. Ilyas MB. 2003.** Effect of foliar application of *Ascochyta rabiei* on growth and vesicular arbuscular mycorrhizal status of eight chick pae varieties, Mycopath, 1(1): 85-94.
78. **Nasim G. Ilyas N. Shabbir A. 2003.** Effect of salts of copper on invitro growth of some soil fungi. Mycopath, 1(2): 155.158.
79. **Nasim G. Din M. Ali S. Shabbir A. Ilyas MB. 2003.** Study of dynamics of Phylloplane fungi in relation to *Ascochyta* blight in chick pea, Mycopath, 1(2): 179-183.
80. **Nasim G. Rahman M. Shabbir A. 2004.** Effect of Indole acetic acid on in vitro growth and Biomass Production of some Soil Fungi. Pakistan Journal of Biological Sciences, 7 (12): 2039-2044.
81. **Nasim G. Rahman M. Shabbir A. Cheema TS. 2004.** Effect of Gibberrellin on *in vitro* growth and Biomass Production of some Soil Fungi. Mycopath, 2 (1): 15-19.
82. **Nasim G. Abbas G. Shah BM. 2004.** Seasonal variation of AM fungal colonization in Sugar cane (*Saccharum officinarum* L.) plants suffering from ratta Roag (red rot) disease. Mycopath, 2 (1): 37-42.
83. **Nasim G. Iqbal SH. Mirza JH. Riaz T. Butt S. Anjum T. Shabbir A. 2004.** A brief note of Lichens from Swat, Mycopath, 2(2), 79-82.
84. **Nasim G. Ilyas N. Shabbir A. 2005.** Effect of some organic pesticides on *in vitro* growth of some soil fungi. Mycopath, 3 (1 &2).
85. **Nasim G. 2005** Global climate change and PEPA (Pakistan Environmental law)- where do we stand. In the proceedings of National Workshop on Global Change Perspectives in Pakistan:-Challenges, Impacts, Opportunities and Prospects, Islamabad, from 28th to 30th April, 2005. Organized by Agro-development International and APN and CAPABLE. Eds. Amir Mohammad & S. Sajidin Hassain. Pp 109-122.
86. **Nasim G. 2005.** Mountain mycorrhizal biodiversity in the northern Pakistan-yesterday, today and tomorrow. In the proceedings of National Workshop on Global Change Perspectives in Pakistan:-Challenges, Impacts, Opportunities and Prospects, Islamabad, from 28th to 30th April, 2005. Organized by Agro-development International and APN and CAPABLE. Eds. Amir Mohammad & S. Sajidin Hassain. Pp 177-188.
87. **Nasim G. 2005.** Role of symbiotic soil fungi in controlling roadside erosion and in the establishment of plant communities. Caderno Pesquisa Serie Biologia, 17(1), 119-136.
88. **Nasim G. Bajwa R. 2005.** Glomalean spores associated with major cereals I-Wheat Caderno Pesquisa Serie Biologia, 17(1), 137-154.
89. **Nasim G. 2006** Mountain mycorrhizal biodiversity in the northern Pakistan-yesterday, today and tomorrow.141-143 In: Global Change in the Mountain Regions. Editor: Martin F. Price, Sapiens Publishing, Duncow, Kirkmahoe, Drumfrieshire, DG1, 1TK, UK.
90. **Nasim G. 2006.** GLOMALEAN SPORE FLORA OF PAKISTAN. III. Spores formed freely in soil aggregates. International Journal of Agriculture and Biotechnology. 3(3), 555-560.
91. **Nasim G. Ashraf S. Javaid A. 2006** Effect of sowing time on mycorrhizal development in wheat, Mycopath, 4(1) 13-19.
92. **Nasim G. Rahman M. 2006.** Effect of cytokinin on in vitro growth and biomass production of some soil fungi. Mycopath, 4(1) 37-43.
93. **Nasim G. Bajwa R. Hakeem A. 2007.** Response of arbuscular mycorrhizal mungbean plants to ambient air pollution. International Journal of Environmental Science and Technology, 4(3): 295-310. **[IF:3.157]**

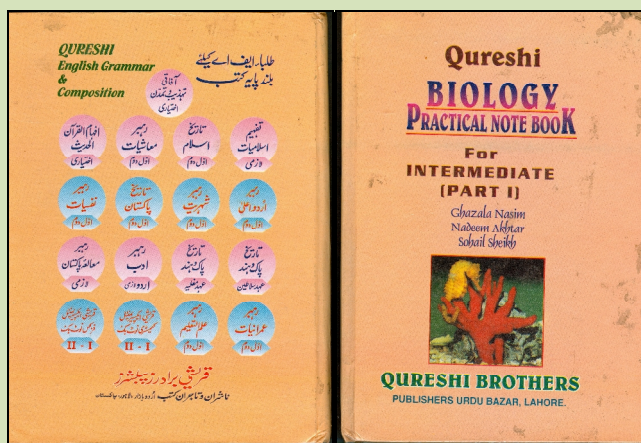
94. **Nasim G. Bajwa R. Hakeem A. 2007.** Response of arbuscular mycorrhizal fungi and *Bradyrhizobium japonicum* to air pollution stress in Soybean. *Journal of Agricultural and Biological Sciences*, 2 (3): 23-46.
95. **Nasim G. Bajwa R. 2008.** Seasonal dynamics and relative abundance of AM fungi in rhizosphere of rice (*Oryza sativa* L. cv. Basmati Supper) *Mycopath*, 5(1): 53-64
96. **Suliman R. Bajwa R. Nasim G. 2007.** Qualitative assessment of drinking water in New Campus, Punjab University, Lahore, Pakistan. *International Journal of Biology and Biochemistry*, 4 (2-3): 219-222.
97. **Augé RM. Toler HD. Sams CE. Nasim G. 2008.** Hydraulic conductance and water potential gradients in squash leaves showing mycorrhiza induced increases in stomatal conductance. *Mycorrhiza*, 18: 115-121 [IF: 1.87]
98. **Nasim G. Bajwa R. 2008.** Arbuscular mycorrhizal symbiosis of wheat and exposure to air pollutants in urban Pakistan, *Canadian Journal of Pure and Applied Sciences*, 2(1): 155-174.
99. **Nasim G. Nusrat Ilyas. Ali A. Munawar A. 2008.** Effect of Salt priming on in vitro growth of some soil fungi. *Pakistan Journal of Botany*, 40(1): 427-431. [IF: 0.52]
100. **Nasim G. 2008.** Influence of rice allelopathy on sporocarp formation by *Glomus monosporum* in leaf sheath bases of wheat. *Allelopathy Journal*, 22(2)-403-408. [IF: 0.635]
101. **Nasim G. Bajwa R. 2008.** Why do arbuscular mycorrhizal fungi form hyphal platoons? *Phytopathology*, 98(6): pp s112. [IF: 2.378]
102. **Nazir N. Mirza JH. Akhtar N. Bajwa R. Nasim G. 2007.** Some studies on thermophilic and thermotolerant fungi from Lahore, Pakistan. *Mycopath* 5(2): 95-100.
103. **Nasim G. Bajwa R. Ali M. 2007.** *Sparassis crispa* (Wulf.) Fr., The Cauliflower mushroom- A new record from Lahore, Pakistan, *Mycopath* 5(2): 119-120.
104. **Nasim G. 2008.** The medicinally important resources of our mountainous regions threatened?-Throwing light on the dark side of the story, in the proceedings of 1st International Seminar on Medicinal Plants, Isolation and Applications (ISMP-2008). May 21-23, Jointly Organized by Department of Chemistry (Organic Section), Lahore College for Women University and British Council, Lahore, Pakistan, pp. 153-165.
105. **Nasim G. 2008.** Role of gene manipulation in the development of arbuscular mycorrhizal (AM) biofertilizer inoculum for economically important plants, In the proceedings of 1st International Seminar on Medicinal Plants, Isolation and Applications (ISMP-2008). May 21-23, Jointly Organized by Department of Chemistry (Organic Section), Lahore College for Women University and British Council, Lahore, Pakistan, pp 197-207.
106. **Nasim G. Ali A. Munawar A. Bajwa R. 2008.** Seasonal dynamics of AM fungi in sugarcane (*Saccharum officinarum* L. cv. SPF-213) in Punjab, Pakistan. *Pakistan Journal of Botany* 40(6): 2587-2600. [IF: 0.52]
107. **Jamshaid U. Nasim G. Rasool G. 2008.** Correlation and regression for prediction of wheat leaf rust severity in Bhawalpur and Multan using relevant meteorological data. *Mycopath* 6(1&2): 23-29.
108. **Nazir N. Nasim G. 2008.** Screening for temperature tolerance of some *Aspergillus* spp. *Mycopath*, 6(1&2): 37-41.
109. **Nasim G. Ali M. Shabbir A. 2008.** Revision of genus *Ramaria* from Ayubia National Park, Pakistan. *Mycopath* 6(1&2): 43-46.
110. **Bajwa R. Nasim G. Javaid A. 2009.** Mycorrhizal Plant Bioassays, In: *Plant Bioassays*. (Eds.) S S Narwal, D A Sampietro, C A N Catalán, M A Vattuone and B. Politycka. Published by Stadium Press, LLC at Thomson Press, India, Ltd. Pp. 111-129.
111. **Nasim G. Rahman M. 2009.** Cytokinin priming as a tool to induce invitro growth and biomass production of some soil fungi. *Pakistan Journal of Botany*, 41(3): 1445-1452. [IF: 0.52]
112. **Ravan S. Manzoor F. Nasim G. 2009.** Pistachio tree-a new host for two species of termites (Isoptera, Arthropoda) from Iran, Pakistan. *Pak Journal of Botany*, 41(5): 2583-2594. [IF: 0.52]
113. **Nasim G. 2010.** Decaying leaf sheaths of wheat-An unusual niche for *Glomus monosporum* *Pakistan Journal of Botany*, 42(2): 1313-1316. [IF: 0.947]
114. **Nasim G. 2010.** The role of arbuscular mycorrhizae in inducing resistance to water and nutrient stress in crops. In: "Plant Adaptations and Phytoremediation", Editors: M. Ashraf, M. Ozturk and M. S. A. Ahmad. Published by Springer Verlag, Germany. Pp. 119-142.
115. **Nasim G. Ali M. Mehmood N. 2010.** Molecular analysis of *Ganoderma lucidum* isolates from Lahore. *Pakistan Journal of Botany*, 42(5): 3307-3315 [IF:0.947]
116. **Nasim G. 2010.** Arbuscular mycorrhizal fungi associated with tissue culture raised potato. *Pakistan Journal of Botany*, 42(6): 4215-4227. [IF:0.947]
117. **Nasim G. Khokhar I. Mushtaq S. Mukhtar I. 2010.** Distribution of filamentous fungi in different industrial effluents. *Mycopath* 8(1): 43-46.
118. **Nasim G. Khokhar I. Mukhtar I. Mushtaq S. Ali A. 2010.** Long-term preservation of fungal cultures by lyophilization. *Mycopath* 8(1): 47-51.
119. **Ali A. Bajwa R. Nasim G. Mehmood N. Jabeen R. 2010.** Screening of various *Trichoderma* isolates collected from Pakistan with their subsequent genetic homology by RAPD analysis. *International Journal of Biotechnology*, 7(4): 383-391.
120. **Nasim G. 2011.** Crop Straw Burning Practice-A Threat to arbuscular mycorrhizal biodiversity. *Pakistan Journal of Botany*, 43(6): 2961-2966. [IF:0.947].
121. **Manzoor F. Nasim G. Saif S. Malik SA. 2011.** Effect of Ethanolic Plant Extracts on Three Storage Grain Pests of Economic Importance. *Pakistan Journal of Botany*, 43(6): 2941-2946. [IF:0.947].
122. **Nasim G. Ali M. 2011.** Estimation of antimicrobial potential of *Ganoderma lucidum* (Leyss. ex Fr.) Karst. Extracts. *Pakistan Journal of Botany*. 43 (6SI): 183-189. Special Issue of *Pakistan Journal of Botany* (Medicinal Plants: Conservation and sustainable use. [IF:0.947].
123. **Khurshid S, Nasim G, Bajwa R, Adkins S. 2012.** Growth responses of *Parthenium hysterophorus* L. growing under salt stress. *Pakistan Journal of Weed Science Research*. 18(1): 51-64.

124. **Nasim G, Shabbir A. 2012.** Invasive weed species of Pakistan. In: Crop Production for Agricultural Improvement, Mohammad Ashraf, Munir Ozturk, Muhammad Sajid Aqeel Ahmad and Amet Aksoy (eds.) Published by Springer-Verlag, Germany. Pp 523-556.
125. **Nasim G, 2012.** Arbuscular Mycorrhiza in Sustainable agriculture. In: Crop Production for Agricultural Improvement, Mohammad Ashraf, Munir Ozturk, Muhammad Sajid Aqeel Ahmad and Amet Aksoy (eds.) Published by Springer-Verlag, Germany. Pp. 581-618
126. **Khokhar I, Bajwa R, Nasim G. 2012.** Preservation of *Penicillium* species by Lyophilization. African Journal of Food, Agriculture, Nutrition and Development. 12(3): 6055-6064.
127. **Nasim G. Shabbir A, 2012.** Shifting herbivory pattern due to climate change: a case study of Himalayan balsam from Pakistan. (Special Issue of Pakistan Journal of Botany, 44:63-68.) [IF:0.947].
128. Nasim G, Khan S, and Khokhar I. **2012.** Molecular polymorphism and phylogenetic relationship of some *Alternaria alternata* isolates. Pakistan Journal of Botany AUGUST Issue [IF:0.947].
129. Nasim G, **2012.** Host allelopathic effects on arbuscular mycorrhizal association. In Allelopathy, Z. A. Cheema et al., (eds.). Published by Springer-Verlag, Germany.
130. Nasim G. 2012. Signal transduction in plants affecting quorum sensing in microbes. In Environmental Adaptations and Stress Tolerance of plants in the Era of Climate Change. P. Ahmad and MNV Prasad (eds.) Chapter Published by springer.

Papers submitted

131. Khan MA., **Nasim G.**, and Khan PI. **2012.** Study of phylogenetic relationship of cotton varieties. Pakistan Journal of Botany.
132. **Nasim G.** and Waqas M. **2012.** Mycographic analysis of macromycetes of Ayubia National Park, development of identification software and indication of threatened species.
133. Khokhar I, Bajwa R, and **Nasim G.** 2012. Prevalence of *Penicillium* species in rhizosphere soils of selected economically important trees in district Punjab, Pakistan. (MS # 11--206).
134. **Nasim G,** Auge` RM, Stewart NC, Toler HD. 2012. Gene manipulation of tobacco affects colonization by *Glomus intraradices* in green house conditions. African Journal of Biotechnology. (IF: 0.573).
135. **Nasim G.** 2012 MYCOsoft; a mycological database. Journal of Bioinformatics and Sequence Analysis.
136. Manzoor F, Sadia, **Nasim G.** Resilience of local woods against subterranean termites of Pakistan. Pakistan Journal of botany, MS 12-485.
137. Sana Hanif a, Rukhsana Bajwa a, Motasim Billa b, **Ghazala Nasim** a, Ghulam Abbas Mand b. 2012. Dissipation studies of two benzimidazol fungicides viz., thiophanate methyl and carbendazim on tomato fruit in Punjab, Pakistan. IJEST.
138. **Nasim G.**, Amna javaid1, Shagufta Shahjehan2 and Nabila Aslam1, removal of Cu(ii) ions from aqueous solutions by consortia of fungal and natural phytobiosorbents. ijest.
139. **Nasim G.**, Muhammad Javed Iqbal,, Rukhsana Bajwa and Steve Adkins. **2012.** Infestation of alien invasive weed species *Parthenium hysterophorus* in district Lahore, Pakistan.
140. Yasin NA, Sehar S, **Nasim G,** Ali A, Shabbir A, and Akram, W. **2012.** Preliminary Varietal Screening for Leaf Spot disease in Rose caused by *Alternaria tenuis* var. Rosicola Auct.
141. **Nasim G** and H. M. WAQAS. Mycographic analysis of macromycetes of ayubia national park, development of identification software and indication of threatened species, Botany Conference.
142. SADAF NASEEM, AND **Nasim G.** Biocontrol of EUPHORBIA HELIOSCOPIA using fungal pathogens Botany Conference.
143. SAFIDA ANWAR, and **Nasim G** Intercomparison of Rhizospheric Microbial Flora of Wild and modified Varieties of some Economically Important Cereal Crops, Botany Conference.
144. Sana Khan and **Nasim G.** Disease constraints of hydroponically grown ginger (*Zingiber officinale* rosc.) Botany Conference.
145. SAIRA JABEEN, AND **Nasim G.** Increase in rice (*oryza sativa* l.) seed vigor and subsequent growth through potassium humate application. Botany Conference.
146. **Nasim G.** Recent Trends in Mycorrhizal Biotechnology. NARC Conf.
147. **Nasim G.** Antibiotic related Tobacco genes modulate fungal behavior during arbuscular mycorrhizal symbiosis with *Glomus intraradices*. NARC Conf

BOOKS PUBLISHED:



(1)

Ghazala Nasim, Nadeem Akhtar and Sohail Sheikh. Qureshi Biology Practical Note Book for Intermediate (part I), Qureshi Brothers, Publishers Urdu Bazar, Lahore.



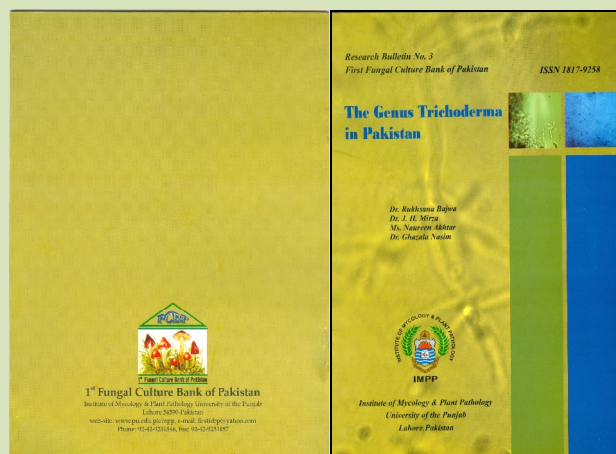
(2)

Ghazala Nasim, Rukhsana Bajwa and Amir Mohammad (2007). Urdu translation of Executive summary of an IGBP (International Geosphere Biosphere Program) Product Entitled "Global Change and the Earth system-A planet Under Pressure". Published by Pakistan Academy of Sciences.



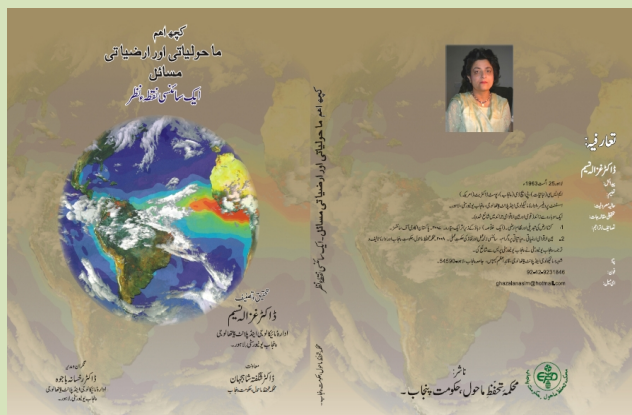
(3)

Ghazala Nasim, Rukhsana Bajwa and Amir Mohammad (2008). Urdu Translation of IGBP Report 55: International Geosphere Biosphere Program, Science Plan and implementation Strategy, Published by IGBP Secretariat, Stockholm, Sweden (Acceptance/permission letter is received for translation). Jointly published by Environment Protection Department, Govt. of the Punjab, and the Department of Urdu Taleef-o-Tarjuma, University of the Punjab, Lahore. Pp100.



(4)

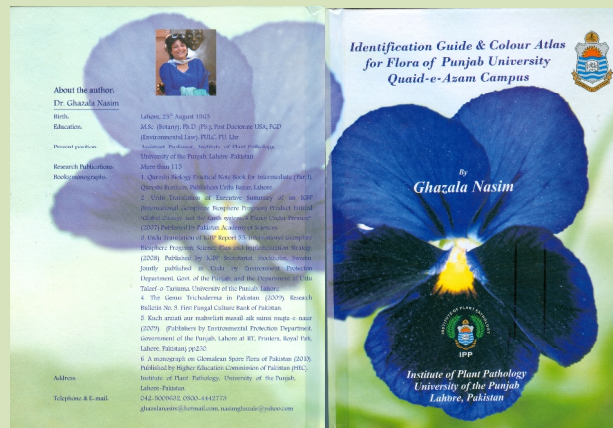
Bajwa R, Mirza JH, Akhtar N, and Nasim G. (2009). The Genus *Trichoderma* in Pakistan. Research Bulletin No. 3. First Fungal Culture Bank of Pakistan Pp. 22.



(5)

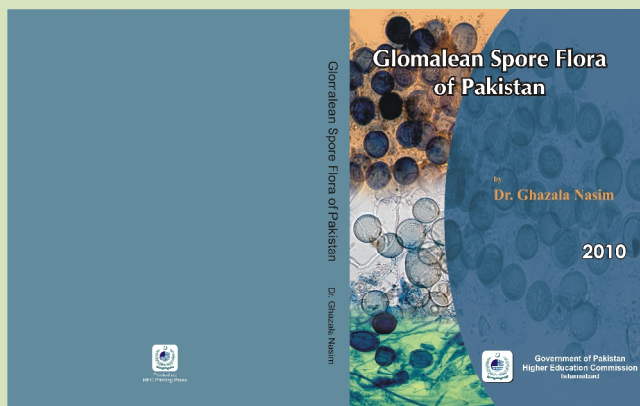
Ghazala Nasim (2009). "Kuch arziati aur mahwliati msail aik sainsi nuqta-e-nazar" (Publishers, Environmental Protection Department, Government of the Punjab, Lahore an RT, Printers, Royal Park, Lahore, Pakistan) pp250.

Winner of HEC Best Book Publication Award for 2009



(6)

Ghazala Nasim (2010). "Identification Guide and Colour Atlas for flora of Punjab University, Quaid-e-Azam Campus". (Publishers, University of the Punjab at RT, Printers, Royal Park, Lahore, Pakistan) pp250.



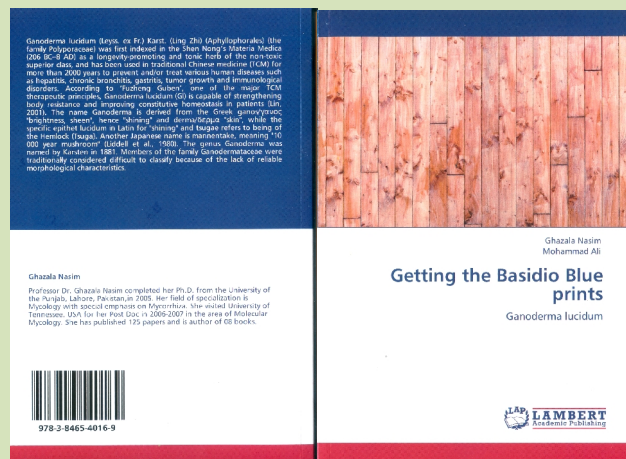
(7)

Ghazala Nasim (2010). A monograph on "Glomalean Spore Flora of Pakistan". Published by Higher Education Commission of Pakistan (HEC) pp333.



(8)

Ghazala Nasim (2011). Flora of Punjab University, Sir Syed Campus and Ayubia National Park, (Publishers, University of the Punjab at RT, Printers, Royal Park, Lahore, Pakistan) pp329.



(9)

Ghazala Nasim & Mohammad Ali (2011). Getting the Basidio Blue Prints. Lambert Academic Publishing (LAP), Germany. pp 68



(10)

Ghazala Nasim (2012). Biological Control of Root Born Plant Pathogens. Lambert Academic Publishing (LAP), Germany. pp 160

Books Under preparation:

1. **Ghazala Nasim (2012). Mycotrophy in the grasses of Moist Himalayan forests of Pakistan** (Applied for funds to PU for publication).
2. **Ghazala Nasim (2012). Urdu Translation of IGBP Report 54: International Geosphere Biosphere Program, Integrated Land Ecosystem-Atmosphere Process Study, Science Plan and implementation Strategy**, Published by IGBP Secretariat, Stockholm, Sweden (Acceptance/permission letter is received for translation, the work is in progress).
3. **Ghazala Nasim (2012). Urdu Translation of IGBP Report 56: International Geosphere Biosphere Program, International Global Atmosphere Chemistry, Science Plan and implementation Strategy**, Published by IGBP Secretariat, Stockholm, Sweden (Acceptance/permission letter is received for translation).
4. **Ghazala Nasim (2012). Global Change** (proposal Awarded by HEC for book writing).
5. **Ghazala Nasim (2012). Zameen ke Badalte Hoai Moasmi Halaat** (Project awarded by Urdu Science Board for book writing).

MEMBER EDITORIAL BOARD/TECHNICAL COMMITTEES:

6. Member, Editorial Board of **"Estudios de Biologia"** (Biology Studies) a quarterly published research Journal of Brazil.
7. Member editorial Board, **"The Start Journal"**.
8. Member Editorial Board of **"African Journal of Microbiology Research"**.
9. Member, Editorial Board of **BIOTA**
10. Member, Editorial Board of **MYCONEWS** a quarterly published newsletter of the First Fungal Culture Bank of Pakistan.
11. Member, Editorial Board of **Mycops Update** a quarterly published newsletter of MYCOPS Mycological and Phytopathological Society of Pakistan.
12. Member, Editorial Board of **Parthenium News** a quarterly published newsletter of the Parthenium action group.
13. Member, Editorial Board of **MYCOMAG**, an annually published students magazine of the Department of Mycology and Plant Pathology, University of the Punjab, Lahore.
14. Member, Editorial Board of **HHG updates** a quarterly published newsletter of the Herbal Heritage Garden Project of Department of Mycology and Plant Pathology, University of the Punjab, Lahore.
15. Member, Organizing committee of two days HEC sponsored seminar on Let's Fight The Menace, Awareness of Parthenium weed, 6-7 August 2004 organized by the Department of Mycology and Plant Pathology, University of the Punjab, Lahore.
16. Member, Organizing committee of a 6-days HEC sponsored teacher's training workshop on Identification and Conservation of Micromycetes, 23-28 August, 2004, organized by the department of Mycology and Plant Pathology, University of the Punjab, Lahore.
17. Member Curricula Development Committee, Mycology and Plant Pathology, University of the Punjab, Lahore.
18. In charge field tour program, Ph.D. regular class and B.Sc. Hons. 4th semester to Swat and Kalam, 2004.
19. In charge field tour program, B.Sc. Hons. 4th and 2nd semesters to Khanspur and adjacent gullies, 2-6, October, 2004.
20. In charge field tour program, B.Sc. Hons. 4th and 2nd semesters to Khanspur and adjacent gullies, August, 2005.

21. In charge field tour program, M.Sc. Hons 2nd B.Sc. Hons 2nd semesters to Khanspur and adjacent gullies, 26-29, June, 2006.
22. Member and Secretary, Construction Committee, New Building for the department of Mycology and Plant Pathology.
23. Member board of studies in Mycology and Plant Pathology.
24. Member board of faculty of life sciences.
25. Member Inspection team, University of the Punjab, MA/M.Sc. Examination, 1st Annual, 2003.
26. Member and Secretary, Construction Committee, New Building for the department of Mycology and Plant Pathology.
27. Member, purchase committee department of Mycology and Plant Pathology.
28. Joint secretary MYCOPS.
29. Controller of examination, department of Mycology and Plant Pathology.
30. In charge graduate and post graduate programs.
31. Member Technical committee, 3rd international conference on Phytopathology and 7th annual meeting of Pakistan Phytopathological Society, 19-21 November 2007.
32. Assistant Secretary, 3rd international conference on Phytopathology and 7th annual meeting of Pakistan Phytopathological Society, 19-21 November 2007.
33. Performed duties as a judge in a Punjabi debate competition at Fatima Jinnah Degree College, Mozang. Lahore, Pakistan.
34. Performed duties as a judge in Intercollegiate Science Model Competition, 29th, January, 2005, Govt. Queen Mary College for Women, Lahore.
35. Performed duties as a judge in Junior School Bilingual Declamation contest, 5th February 2005, Beacon House School Systems, Garden Town Campus, Lahore.
36. Member Inspection team, University of the Punjab, MA/M.Sc. Examination, 1st Annual, 2003.
37. Member Editorial Board of MYCOMAG, an annually published students magazine of the Department of Mycology and Plant Pathology, University of the Punjab, Lahore.
38. Member, Organizing committee of two days HEC sponsored seminar on Let's Fight The Menace, Awareness of *Parthenium* weed, 6-7 August 2004 organized by the Department of Mycology and Plant Pathology, University of the Punjab, Lahore.
39. Member, Organizing committee of a 6-days HEC sponsored teacher's training workshop on Identification and Conservation of Micromycetes, 23-28 August, 2004, organized by the department of Mycology and Plant Pathology, University of the Punjab, Lahore.
40. Member, and Secretary, Construction Committee, New Building for the department of Mycology and Plant Pathology.
41. Member, Technical committee and Stage Secretary, The third Int'l Conference on Plant Pathology, 19-21 November 2007, Organized by Pakistan Phytopathological Society at the department of Mycology and Plant Pathology.
42. Member purchase committee and Board of Studies of Centre for Integrated Studies, University of the Punjab, Lahore.
43. Member Doctoral Program committee (DPCC), University of the Punjab, Lahore.
44. Member, Selection Board for lecturer in botany, Punjab Public Service Commission, Lahore.
45. Member, Evaluation and scrutiny committee of EPD for evaluation of research projects.

ORGANIZED/COORDINATED LECTURES/CONFERENCES/WORKSHOPS:

- Conducted a 2 days training workshop on mushroom cultivation at Agribiotech private limited.
- Organized HEC sponsored seminar on Let's Fight The Menace, Awareness of *Parthenium* weed, 6-7 August 2004 organized by the Department of Mycology and Plant Pathology, University of the Punjab, Lahore.
- Organized HEC sponsored teacher's training workshop on Identification and Conservation of Micromycetes, 23-28 August, 2004, organized by the department of Mycology and Plant Pathology, University of the Punjab, Lahore.
- 1st International symposium on Biofertilizers and Biocontrol technology. Organized by the Department of Mycology & Plant Pathology, University of the Punjab, Lahore in collaboration with National Productivity organization (NPO), Asian Productivity Organization (APO) and Higher Education Commission (HEC). 25th to 27th July, 2005.
- 3rd International Conference on Plant Pathology, Department of Mycology and Plant pathology, Lahore, Pakistan, 19-21 November, 2007.

ARTICLES PUBLISHED IN NEWS PAPERS AND JOURNALS:

1. Ghazala Nasim (2001). The climate change -- a basic Understanding, In The News International, Friday, August 10, 2001, page 16.
2. Ghazala Nasim (2001). The Amsterdam Declaration: a new era for earth-system science, Saturday, November 17, 2001, page 16.
3. Ghazala Nasim (2001). The Vanishing Resources, Saturday, November 17, 2001, page 16
4. Ghazala Nasim (2003). Point to Ponder, Myconews. (June) Vol. 1, No. 2.
5. Ghazala Nasim (2003). Global Water System Project- Myconews. (September) Vol. 1, No. 3.
6. Ghazala Nasim (2004). How to prepare inoculum of arbuscular mycorrhizal fungi- Myconews (December) Vol. 1, No. 4.
7. Ghazala Nasim (2004). Global Change and Disease outbreaks- Myconews. (March) Vol. 2, No. 1.
8. Ghazala Nasim (2004) Careers in Mycology and Plant Pathology, Mycomag.
9. Ghazala Nasim (2004). Careers in Mycology and Plant Pathology, Daily DAWN, 16th October 2004.
10. Ghazala Nasim (2004). An unusual niche for *Glomus monosporum*-Myconews. Vol. 2, No. 2.
11. Ghazala Nasim (2004). Weird shapes of AM vesicles, Myconews (December) Vol. 2, No. 3.
12. Ghazala Nasim (2005). Rationale for conserving microbial Biodiversity, Myconews (March) Vol. 3, No. 1.
13. Ghazala Nasim (2005). Is global climate changing? Myconews (June) Vol. 3, No. 2.

14. Ghazala Nasim (2005). Alien plants, A threat to Biodiversity, Myconews (September) Vol. 3, No. 3.
15. Ghazala Nasim (2005). Butterflies, Mycomag.
16. Ghazala Nasim (2005). Global agro-ecological assessment and human food security, Myconews, December. Vol. 3, No. 4.
17. Ghazala Nasim (2006). MYCOPS- The need of yet another one-MYCOPS update. March. Vol. 1, No. 1.
18. Ghazala Nasim (2006). 'Dos' and DON'Ts- MYCOPS update. March. Vol. 1, No. 1.
19. Ghazala Nasim (2006). The fungus hat-thrower, MYCOPS update. March. Vol. 1, No. 1.
20. Ghazala Nasim (2006). Mycotrophy: A weapon for weeds to win ecological success. Parthenium news, March. No. 1
21. Ghazala Nasim (2006). AM hyphal platoons-when do they form? Myconews, March. Vol. 4, No. 1.
22. Ghazala Nasim (2006). The magic of "fuzzy logic". Myconews, June. Vol. 4, No. 2.
23. Ghazala Nasim (2006). Tripartite relations- Positive or negative synergism. Myconews. October. Vol. 4, No. 3.
24. Ghazala Nasim (2006). Medicinal Plants-Vanishing natural resources. HHG Updates. Vol. 1, No.
25. Ghazala Nasim (2006). Some neglected plants called Ferns-Mycomag, pgs. 23-25.
26. Ghazala Nasim (2006). What can we do with training in Mycology. Mycomag. Pgs 38-43.
27. Ghazala Nasim (2006). Influence of Tree species on the distribution of medicinal plants and plants of economic importance in the forest. Mycops updates, Vol. No. 2
28. Ghazala Nasim (2006). A novel strategy to kill deadly *E. coli* bacteria on food items. Myconews. December. Vol. 4, No. 4.
29. Ghazala Nasim (2007). *Lagerstroemia* Under insect attack in Research notes, Myconews, volume 5 No. 1.
30. Ghazala Nasim (2007). *Phyophthora* species—"The plant destroyers". Myconews, volume 5 No. 2.
31. Ghazala Nasim (2007). Biofuels research initiative at the University of Tennessee, Myconews, volume 5 No. 3.
32. Ghazala Nasim (2007). Molecular method of mycorrhizal research, Myconews, volume 5 No. 4.
33. Ghazala Nasim (2008). Frost damages caused in flowers and fruits, Myconews, volume 6 No. 1.
34. Ghazala Nasim (2008). Mountain Biodiversity at risk, Myconews, volume 6 No. 2.
35. Ghazala Nasim (2008). Green Fluorescent Protein-An amazing molecular marker. Myconews, volume 6 No. 3.
36. Ghazala Nasim (2008). Idea of mycobiointicators, Myconews, volume 6 No. 4.
37. Ghazala Nasim (2008). Weapons of war, Parthenium News, December. No. 1
38. Ghazala Nasim (2008). Cotton faces cascading troubles. Parthenium News, December No. 1
39. Ghazala Nasim (2009). Mountain biodiversity and Swat war, Myconews, volume 7 No. 1.
40. Ghazala Nasim (2009). Mountain Agriculture, Myconews, volume 7 No. 2.
41. Ghazala Nasim (2009). Using water wisely, Myconews, volume 7 No. 3.

Articles in Urdu: 45

﴿کتب، اخبارات اور رسائل میں طبع شدہ مضامین﴾

ڈاکٹر غزالہ نسیم۔ پروفیسر۔ ادارہ ایگریکلچر سائنسز۔ جامعہ پنجاب لاہور۔

کتاب نمبر ۱: کمرۃ ارض کی تبدیلی اور نظام ارضی۔ (ایک غلامہ) دباؤ کے زیر اثر ایک سیارہ۔ ۲۰۰۷۔

مصنفین: ڈاکٹر غزالہ نسیم، ڈاکٹر رخسانہ باجوہ اور ڈاکٹر امیر محمد

پبلشرز: پاکستان اکادمی آف سائنسز نے شائع کی۔

کتاب نمبر ۲: بین الاقوامی ارضیاتی۔ حیاتیاتی پروگرام، سائنسی لائحہ عمل اور نفاذ کی حکمت عملی۔ ۲۰۰۸۔

مصنفین: ڈاکٹر غزالہ نسیم، ڈاکٹر رخسانہ باجوہ اور ڈاکٹر امیر محمد

پبلشرز: محکمہ تحفظ ماحول، حکومت پنجاب اور ادارہ تالیف و ترجمہ، پنجاب یونیورسٹی نے پنجاب یونیورسٹی پریس سے شائع کی۔

کتاب نمبر ۳: کچھ ارضیاتی اور ماحولیاتی مسائل۔ ایک سائنسی نقطہ نظر (۲۰۰۹) ہائر ایجوکیشن کمیشن کی بہترین انعام یافتہ کتاب۔

مصنف: ڈاکٹر غزالہ نسیم

پبلشرز: محکمہ تحفظ ماحول، حکومت پنجاب۔

۱۔ بونائی پودے ☆ آف ڈے میگزین روزنامہ پاکستان، ۲۲ فروری ۱۹۹۱ء: صفحہ نمبر ۱۔

۲۔ گوشت خور پودے ☆ آف ڈے میگزین روزنامہ پاکستان ۱۴ جون ۱۹۹۱ء: صفحہ نمبر ۱۵۔

۳۔ تیری وادی وادی گھوموں ☆ روزنامہ پاکستان ۱۴ اکتوبر ۱۹۹۱ء: صفحہ نمبر ۱۱۔

۴۔ براعظم سرک رہے ہیں ☆ میگزین روزنامہ پاکستان ۱۵ نومبر ۱۹۹۱ء: صفحہ نمبر ۱۰۔

۵۔ ناگہا پریت کی گود میں ☆ ایڈور، شمارہ ۳، ۸ جنوری ۱۹۹۳ء: صفحہ نمبر ۴۹۔

۶۔ کشمیر جنت نظیر ☆ ایڈور، شمارہ ۳، ۸ جنوری ۱۹۹۳ء: صفحہ نمبر ۶۲۔

۷۔ شیعہ نباتیات پنجاب یونیورسٹی کا مطالعاتی دور ☆ اخبار العلم، روزنامہ مشرق ۲۲ اگست ۱۹۹۳ء: صفحہ نمبر ۱۱۔

۸۔ کپیلا نوبل کی کہانی ☆ ایڈور، شمارہ نمبر ۴، ۱۰ جنوری ۱۹۹۴ء: صفحہ نمبر ۴۸۔

۹۔ پیسیفک نیشنل پارک میں کلرڈ ہیل اور ڈولفن مچھلیاں ☆ اردو سائنس میگزین، شمارہ اکتوبر تا دسمبر ۲۰۰۲ء: صفحہ نمبر ۴۳ تا ۴۴۔

۱۰۔ شیعہ نباتیات کا دورہ کوہستان نمک ☆ اردو سائنس میگزین، شمارہ اکتوبر تا دسمبر ۲۰۰۲ء: صفحہ نمبر ۴۶ تا ۵۲۔

۱۱۔ دیوسائی کے میدان ☆ مانیکو میگ ۲۰۰۴ء: صفحہ نمبر ۱۷ تا ۱۸۔

۱۲۔ کیا پودے بھی سانس لیتے ہیں ☆ مانیکو میگ ۲۰۰۴ء: صفحہ نمبر ۱۹۔

۱۳۔ شیعہ ہذا کا تعارف ☆ مانیکو میگ ۲۰۰۴ء: صفحہ نمبر ۴۔

۱۴۔ دیکھا جو کچھ خواب تھا ☆ اردو سائنس میگزین، شمارہ اپریل تا جون ۲۰۰۴ء: صفحہ نمبر ۳۸ تا ۴۸۔

۱۵۔ اوزون کا چکر ☆ اردو سائنس میگزین، شمارہ اکتوبر تا دسمبر ۲۰۰۴ء: صفحہ نمبر ۳۲ تا ۳۲۔

۱۶۔ سکندر اعظم کا یونان۔ دور جدید کی ایک جھلک (حصہ اول) ☆ اردو سائنس میگزین، شمارہ جنوری تا مارچ ۲۰۰۵ء: صفحہ نمبر ۴۰ تا ۴۵۔

۱۷۔ سکندر اعظم کا یونان۔ دور جدید کی ایک جھلک (حصہ دوم) ☆ اردو سائنس میگزین، شمارہ اپریل تا جون ۲۰۰۵ء: صفحہ نمبر ۴۱ تا ۵۲۔

- ۱۸۔ زراعت رفتہ کو آواز دینا۔ ☆ مائیکو میگ ۲۰۰۵ء: صفحہ نمبر ۶ تا ۷۔
- ۱۹۔ شعبہ مائیکولوجی اینڈ پلانٹ پیتھالوجی کا دورہ قرشی فارمز، مرید کے۔ ☆ مائیکو میگ ۲۰۰۵ء: صفحہ نمبر ۲۰ تا ۲۲۔
- ۲۰۔ ساحل کی حقیقت کوئی ملاح سے پوچھے ☆ ارض و سما۔ مئی ۲۰۰۵ء: صفحہ نمبر ۲۱۔
- ۲۱۔ حدت ارض کا قانون ☆ اردو سائنس میگزین، شمارہ جولائی تا ستمبر ۲۰۰۵ء: صفحہ نمبر ۱۱ تا ۱۹۔
- ۲۲۔ تزک آب ☆ اردو سائنس میگزین، شمارہ اکتوبر تا دسمبر ۲۰۰۵ء: صفحہ نمبر ۱۰ تا ۱۸۔
- ۲۳۔ کرۂ ہوائی۔ ہوا کا غلاف ☆ اردو سائنس میگزین، شمارہ جنوری تا مارچ ۲۰۰۶ء: صفحہ نمبر ۴۰ تا ۴۵۔
- ۲۴۔ پہاڑ گلوبل چینج اور ہم ☆ اردو سائنس میگزین، شمارہ اپریل تا جون ۲۰۰۶ء: صفحہ نمبر ۴۰ تا ۵۱۔
- ۲۵۔ اب کیا ہوگا ☆ ارض و سما۔ مارچ ۲۰۰۶ء: صفحہ نمبر ۱۵ تا ۱۷۔
- ۲۶۔ ہمارے سرفلک پہاڑ اور بادقار کو ہمار ☆ ارض و سما۔ اپریل مئی ۲۰۰۶ء: صفحہ نمبر ۳۱ تا ۳۲۔
- ۲۷۔ ایسٹریڈیم ڈیکلیریشن (قسط اول) ☆ اردو سائنس میگزین، شمارہ جولائی تا ستمبر ۲۰۰۶ء: صفحہ نمبر ۳۳ تا ۴۱۔
- ۲۸۔ ایسٹریڈیم ڈیکلیریشن (قسط دوم) ☆ اردو سائنس میگزین، شمارہ اکتوبر تا دسمبر ۲۰۰۶ء: صفحہ نمبر ۲۲ تا ۳۳۔
- ۲۹۔ کما دے کے ماحولیاتی مسائل اور WWF کی کاوشیں ☆ ماہنامہ ندائے کسان، لاہور، اکتوبر ۲۰۰۶ء: صفحہ نمبر ۳۲ تا ۴۵۔
- ۳۰۔ یہ تو وہی جگہ ہے! ☆ مائیکو میگ ۲۰۰۶ء: صفحہ نمبر ۶ تا ۹۔
- ۳۱۔ ہر رنگ میں وہ شخص نظر کو بھلا لگے ☆ مائیکو میگ ۲۰۰۶ء: صفحہ نمبر ۲ تا ۵۔
- ۳۲۔ خط لکھنا ☆ مائیکو میگ ۲۰۰۶ء: صفحہ نمبر ۴۹۔
- ۳۳۔ کما دے کے ماحولیاتی مسائل ☆ مائیکو میگ ۲۰۰۶ء: صفحہ نمبر ۲۳ تا ۲۷۔
- ۳۴۔ گلوبل تبدیلیاں اور متعدد امراض ☆ ارض و سما، نومبر۔ دسمبر ۲۰۰۶ء: شمارہ نمبر ۳۔ جلد نمبر ۴: صفحہ نمبر ۱۷۔
- ۳۵۔ انسان کا کنبہ اور مادر ارضی۔ تعارف (قسط اول) ☆ اردو سائنس میگزین، شمارہ جنوری تا مارچ ۲۰۰۷ء: صفحہ نمبر ۵۵ تا ۵۵۔
- ۳۶۔ انسان کا کنبہ اور مادر ارضی۔ تعارف (قسط دوم) ☆ اردو سائنس میگزین، شمارہ اپریل تا جون ۲۰۰۷ء: صفحہ نمبر ۱۳ تا ۲۲۔
- ۳۷۔ مائیکولوجی کیا ہے؟ ☆ اردو سائنس میگزین، شمارہ جولائی تا ستمبر ۲۰۰۷ء: صفحہ نمبر ۳۵ تا ۴۳۔
- ۳۸۔ کرۂ ارض کا ماضی قریب ☆ اردو سائنس میگزین، شمارہ اپریل تا جون ۲۰۰۸ء: صفحہ نمبر ۲۲ تا ۲۸۔
- ۳۹۔ میرے والد نسیم حیدر ☆ مائیکو میگ ۲۰۰۷ء: صفحہ نمبر ۱۱ تا ۱۳۔
- ۴۰۔ گوشت خور پودے ☆ اردو سائنس میگزین، شمارہ اپریل تا جون ۲۰۰۹ء: صفحہ نمبر ۲۳ تا ۳۰۔
- ۴۱۔ خربزہ قطنین ارضی اور گلوبل چینج ☆ اردو سائنس میگزین، شمارہ اپریل تا جون ۲۰۱۰ء: صفحہ نمبر ۱۳ تا ۱۹۔
- ۴۲۔ بین الاقوامی سال برائے حیاتیاتی تنوع ☆ اردو سائنس میگزین، شمارہ اکتوبر تا دسمبر ۲۰۱۰ء: صفحہ نمبر ۱۵ تا ۲۰۔
- ۴۳۔ برلین بحر۔ میامی فلوریڈا ☆ اردو سائنس میگزین، شمارہ اپریل تا جون ۲۰۱۱ء: صفحہ نمبر ۳۱ تا ۴۷۔
- ۴۴۔ نباتات، کرۂ ارض اور گلوبل چینج ☆ اردو سائنس میگزین، شمارہ
- ۴۵۔ تبدیلی آب و ہوا، انسان اور خوراک کا تحفظ ☆ ارض و سما
- ۴۶۔ نیوا انگلینڈ یا انگلینڈ
- ۴۷۔ کرپٹ کی قدیم تہذیب