

Prof. Dr. ABRAR HUSSAIN

OBJECTIVE:

I want to excel as a professional, being part of a strong and enthusiastic team of learned people to make good use of my talent as well as leadership and managerial qualities. I believe I am competent enough to learn quickly and handle things by myself.

TEACHING AND ADMINISTRATIVE EXPERIENCE:

- ✓ 02-01-2020 To date Professor of Botany / Principal University of Education, Township Campus Lahore, Pakistan.
- ✓ 07-12-2016 To 02-01-2020 Principal / Associate Professor University of Education, Township Campus Lahore, Pakistan.
- ✓ 13-08-2014 To 06-12-2016 Director / Associate Professor of Botany Department of Botany University of Education, Township Campus Lahore, Pakistan.
- ✓ 14-06-2011 To 13-08-2014 Director / Assistant Professor Division of Science & Technology University of Education, Township Campus Lahore, Pakistan.
- ✓ 08-08-2009 To 13-06-2011 Assistant Professor of Botany Division of Science & Technology University of Education, Township Campus Lahore, Pakistan.
- ✓ 12-07-2003 To 08-08-2009 Lecturer (Biology) Govt. Degree College for Boys Township, Lahore.
- ✓ 05-01-1999 To 12-07-2003. Botany Lecturer (Biology) - Department of Govt. F.C. College Lahore, Pakistan.
- ✓ 15-12-1997 To 04-01-1999 and At the disposal of Secretary Education later on adjusted at Govt. G. N. Degree college Nankan Sahib, Sheikhpura.

- ✓ 29-12-1996 To 15-12-1997. Lecturer (Biology)– Department of Biology
Govt. College Okara, Pakistan.
- ✓ 04-09-1990 To 21-12-1996. Biology Teacher (Senior Boys Wing)
BPS-17, Divisional Public School and College Model Town, Lahore.

RESEARCH PROJECTS:

- ✓ Co-Principal Investigator
Synthesis, Characterization and Applications of Azines as Chemosensors.
Funded by HEC 2012-2013
- ✓ Co-Principal Investigator
“Design, Synthesis & Spectroscopic Characterization of Divalent Metal Complexes Derived from NN-and No-donors Schiff base Ligands and their Biological Screening”. Funded by HEC-2015.
- ✓ Co-Principal Investigator
Design, Syntheses and biological evaluation of peptidic and non-peptidic and non-peptidic multifunctional ligands... Funded by HEC-2016
- ✓ Co-Principal Investigator
Synthesis, Characterization and Applications of Chalcone Based Chemosensors.
Funded by HEC-2016
- ✓ Co-Principal Investigator
Effect of Zn dopant on size, optical and photocatalytic properties of SnO₂ nanomaterials
Funded by HEC-2016

REWARDS:

- ✓ University Best Teacher Award 2015-16.

REVIWER OF RESEARCH JOURNALS:

- ✓ Brazilian Journal of Biology
- ✓ Journal of Bioresource Management

PUBLICATIONS (NATIONAL & INTERNATIONAL):

- ✓ **2022** – Investigation of *Azadirachta indica A Juss* as a Source of Potential Antimicrobial and Cytotoxic Compounds. *Biologia (Pakistan)*. 30.06.2022 Volume 68 Issue 1 page 11 “Y” Category.
- ✓ **2022**-Quantitative Determination of Caffeine in Imported Energy Drinks of Lahore, Pakistan (*Journal of Natural and Applied Sciences Pakistan*) Vol 4 (1), 2022 pp 839-849 (Y-Category)
- ✓ **2022**- Light and scanning electron microscopic comparative studies of geminivirus infected and healthy *Eclipta alba* (L.) (*Microscopy Research & Technique*) (Y- Category)
- ✓ **2022**- Hydrogen sulphide alleviates cadmium stress in *trigonella foenum-graecum* by modulating antioxidant enzymes and polyamine content (*Plant Biology*) ISSN1435-8603. (W-Category) Q1
- ✓ **2022**-Light Microscopy and scanning electron microscopy: A helping tool to indentify the adultrant of dye from *Curcuma longa* L rhizome, and its exofriendly applications on pharmaceutical products. (*Microscopy Research & Technique*) (Y- Category)
- ✓ **2021**- *Fusarium incarnatum*: A Novel Leaf Spot Pathogen Isolated from *Rosa Indica* in Pakistan (*International Journal of Agriculture & Biology*) ISSN 1560-8530. (Y- Category)
- ✓ **2021**-Ovel Report of *Rosa Indica* leaf spot by *alternaria tenuissima* from Pakistan (*Pak. J. Phytopathol.* (vol 33 (01) page 177-182. (Y- Category)
- ✓ **2021**-Exogenous application of salicylic acid enhances salt stress tolerance in lemongrass (*Cymbopogon flexuosus* Steud. Wats) ((*Pak. J. Bot.* 54(2) (Y- Category)
- ✓ **2020**-Development of a new method for the validation of levofloxacin by UV-Spectrophotometer (*BIOLOGIA* 66(II) (Y- Category)
- ✓ **2019**- Bio-Screening of chalcone and Aurone Analogues as Therapeutic Agents. *Biologia (Pakistan)*. 30.12.2019 ISSN 2013-206X (Online) “Y” Category.
- ✓ **2019**- Caffeine concentration in locally available energy drinks of Lahore, Pakistan. *Biologia (Pakistan)*. 30.12.2019 ISSN 2013-206X (Online) “Y” Category.
- ✓ **2019**- Proximate and Trace Metal Analysis of Pakistani Coal (*Journal of the Chemical Society of Pakistan*) 0253-5106. (W category)- Q4 ranking.
- ✓ **2019**- In vitro anthelmintic activity of ethanolic extracts of *Camellia sinensis* L. and *Albizia lebbek* L. against *Haemonchus contortus*. (*Punjab University Journal of Zoology*) 2313-8556 (Online) 1016-1597 (Print) initial *DOR*:30.12.2015. (Y category).
- ✓ **2019**- Appraisal of chromium and cobalt contents of vegetables grown in social irrigated with sewage water: A risk for consumers' health. (*Pure Applied Biology*). 30.12.2015 “Y” Category
- ✓ **2018**- Analysis of biological potential of Aromatic Hydrazones as Novel Therapeutic Agents. *Biologia (Pakistan)*. 30.12.2015 “Y” Category

- ✓ **2018-** Investigation of Nickel in soil, forages and blood plasma of buffaloes with respect to seasonal variations. *Biologia (Pakistan)*. 30.12.2015 “Y” Category
- ✓ **2018-** One-pot unusual synthesis and DFT studies of 3-acetyl-6-chloro-2-methyl-4-phenylquinoline and its unusual urease enhancement activity. *Biologia (Pakistan)*. 30.12.2015 “Y” Category
- ✓ **2018-** Heavy metals (Cd, Pb & Zn) accumulation in Cauliflower (*Brassica Oleracea*. Var. *Botyris*) and associated health risks assessment in three Districts of Punjab, Pakistan. *Biologia (Pakistan)*. 30.12.2015 “Y” Category
- ✓ **2018 -** In vitro efficacy of *Tribulus terrestris*, L. & *Ziziphus mauritiana* Lam. As potential anthelmintics against *Haemonchosis contortus* - *Biologia (Pakistan)*. 30.12.2015 “Y” Category
- ✓ **2018-** Morpho-physiological adaptive Components of *Poa annua* against Different Treatments of Herbicides. (*Journal of Ecology and Toxicology*).
- ✓ **2017 –** NUTRITIONAL STATUS AT PHENOLOGICAL STAGES IN SOME WEEDS. (*Pak. J. Weed Sci, Res*, 23(3): 255-270. (Y- Category)
- ✓ **2016-** IN-VITRO ANTILEISHMANIAL AND ANTIGLYCATION EVALUATION OF BIPHENYL ANALOGUES (*Sci.Int. (Lahore)*, 28(3), 3049-3051, 2016. ISSN 1013-5316, CODEN: SINTE8)
- ✓ **2016 –** IN-VITRO ANTIOXIDANT BIOASSAY OF SYNTHESIZED BIPHENYL ANALOGUES (*Sci.Int.(Lahore.)* 28(2),1233-1236,2016. ISSN 1013-5316, CODEN: SINTE8)
- ✓ **2016 –** Evaluation of Heavy Metals in Potential Fodders & Forages Growing in Khushab. Pakitan. (by PSP Volume 25 –No.4 /2016, Pages 1089-1096 *Fresenius Environmental Bulletin*)
- ✓ **2016 –** BRINE – SHRIMP LETHALITY BIOASSAY AND ANTIBACTERIAL ACTIVITY OF BIPHENYL ANALOGUES . (*Sci.Int.(Lahore)*.28(1),407-410,2016.)
- ✓ **2015-** A New, Simple and Economical Spectrophotometric Method for the Estimation of Alendronate Sodium in Pharmaceutical formulation (*Intl. J. Pharm, Sci. Rev. Res.*,32(2), May-June 2015; Article No.10, Pages:51:54 ISSN 0976-044X)
- ✓ **2015-** Effect of heavy metal (Zn) on different growth attributes of *Zea mays* L. in Punjab, Pakistan: A case study *BIOLOGIA (PAKISTAN)* JUNE, 2015,61 (1), 157-162 ISSN 2313 – 206x.
- ✓ **2015-** Method Development and Validation for the Estimation of Anthelmintic Drug (Albendazole) in tablet preparations (*Int.J.Pharm.Sci.Rev.Res.*32(1), (may-june-2015.Article No.48. Pages.284-287)
- ✓ **2015-** Potent Enzyme Inhibitors: Synthesis and Spectral Analysis of Some New Schiff Bases Having Nucleus of Azomethine and Screened their Biological Evaluation (*Int.J.Pharm.Sci.Rev.Res.*32(1), (may-june-2015.Article No.26. Pages.148-152.)

- ✓ **2015-** Effect of Drought Stress on change in concentration of compatible solutes in cholistan desert grasses. Int; J. Agric. Appl. Sci. (2015).
- ✓ **2015-** Ionic Homeostasis in Halophytic grasses under drought and salinity stress. Int; J. Agric. Appl. Sci. (2015).
- ✓ **2014-** Assessment of transfer of copper and cobalt from soil to forage in relation to the dietary allowance for livestock. (biologia (Pakistan)2014,60(2),299-303, pkissn0006-3096(print)
- ✓ **2014-** Heavy metals and metalloids in wheat grains: Assessment of potential health risk for inhabitants in Sargodha, punjab, Pakistan. (Khan et al. int. j. med. Appl. Health vol.2, no.2, 2014)
- ✓ **2014-**Vegetables as a Potential Source of Metals and Metalloids for Human Nutrition: A case Study of Momordica charantia Grown in Soil Irrigated with Domestic Sewage water in Sargodha, Pakistan. (Pakistan J Zool, vol.46(3), pp-633-641,2014)
- ✓ **2014-**Appraisal of Transfer of a few Crucial Minerals from Forage to Ruminants: A Case Study in Pakistan. (Istanbul Univ. Vet. Fak.Derg.40(1),76-82,2014 Arasturma Makalesi)
- ✓ **2013-**Effect of saline growth medium on temperature optima of invertases in sugar cane (Saccharum Officinarum L.) (E.ISSN:2221-7630;P-ISSN: 1727-4915) (Pakistan Journal of Life & Social Sciences)
- ✓ **2013-**Proximate analysis: Relative feed values of various forage plants for ruminants from semi-arid region of Punjab, Pakistan. (Vol.4, No.6,2013) (Agricultural Sciences)
- ✓ **2013-**Exploration of concentration of two macro-minerals in different wild forages in relation to nutrient requirements of livestock (Vol.4, No.7,340-344(2013) (Agricultural Sciences)
- ✓ **2013-**Micro Mineral Profile in Soil and Forage as Affected by Poultry Manure: A Case Study of Non-Conventional Fertilizer (RRJAAS /Vol2/ISSN:2319-9857(Journal of Agriculture & Allied Sciences)
- ✓ **2013-**Effects of diverse doses of Lead (Pb) on different growth attributes of Zea-Mays L.Vol.4, No.5,262-265(2013) (Agricultural Sciences)
- ✓ **2013-**Appraisal of Lead and Cadmium Concentrations in Herbage and Milk of Ewes During Different Lactation Periods: A Case Study in Sargodha, Pakistan (Pakistan J, Zool., vol.45(2), pp.563-565,2013).
- ✓ **2012-**Systematic & ethnopharmacognostic investigation of selected medicinal plants of family Asteraceae (African Journal of Pharmacy and Pharmacology)

- ✓ **2012-**“ Bam”, a novel glucocorticoid-induced BH3-only transcript from the BCL2L11/Bim locus, does not appear to be translated. (Leukemia & Lymphoma 2012.informa UK.Ltd.)
- ✓ **2012_**“A study on soil, forage, and plasma lead levels in lactating cows reared in suburb of Sargodha: Transport of Lead into Milk” (impact factor 0.585) (The Journal of Animal & Plant Sciences)
- ✓ **2012-** Problems encountered in bicistronic IRES-GFP expression vectors employed in functional analyses of GC-induced genes. (Dol.10.1007/s11033-012-1898-z) (An Int. Journal on Molecular & Cellular Biology)
- ✓ **2012** – Comparative study on calcium, magnesium and cobalt in diabetic & non diabetic patients(males) in Punjab Pakistan. (African Journal of Biotechnology)
- ✓ **2012** – Elemental Dispersive Spectrophotometer Analysis and Morpho-Anatomical Characterization of Panicum Species from Pakistan. (impact factor 0.879) (Journal of Medicinal Plants Research)
- ✓ **2012** - Systematic Anatomy & Elemental Dispersive Spectrophotometer Analysis of Genus Pennisetum from Pakistan. (impact factor 0.879) (Journal of Medicinal Plants Research)
- ✓ **2012-** Comparative nutritional analysis between Vigna radiata and Vigna mungo of Pakistan. (African Journal of Biotechnology)
- ✓ **2012** - Approximation of some minerals in soil and forage as a function of a non-conventional compost: A case study. (Agricultural Sciences)
- ✓ **2011** - Study of Toxic Metals in Different Brands of Cigarettes Available in Lahore. (Sci. Int. Lahore.23(3) 205-209)
- ✓ **2011** - Preparation & Characterization of Stearic Acid Coated Calcium Carbonate. (world applied sciences journal 14(7). 955-959)
- ✓ **2010** - Evaluation of Dynamics of Iron and Manganese from Pasture to Buffaloes: A Case Study at Rural Livestock Farms (Pak.J.Bot.,42(5)3415-3421)
- ✓ **2010** – Assessment of Chromium Concentrations in Soil-Plant –Animal Continuum:

Possible Risk for Grazing Cattle (Pak.J.Bot.,42(5)3409-3414) TRAINING

PROGRAMS & SEMINARS:

- ✓ 13-20 April 2015
“APQN 2015 Conference at Kunming in China”
- ✓ 15-16 July 2011
“**Understanding the Adult Learner**” at HEC Regional Center Lahore.
- ✓ 04-05 Jan. 2011
“**Exploring the Jigsaw of Assessment**” at HEC Regional Center Lahore
- ✓ 20-21 Sep. 2010
“**Realizing the Millennium Development Goals (MDGS) through Teacher Education**”

- ✓ 03-29 July. 2006
“Staff Development Course” at Govt. College Township Lahore by HEC

QUALIFICATION:

✓ Ph.D	Botany - University of the Punjab, Lahore, Pakistan	2005
✓ Masters	Botany - University of the Punjab, Lahore, Pakistan	1989
✓ Graduation	Zoology, Botany, Chemistry University of the Punjab Lahore, Pakistan	1986
✓ Intermediate	Physics, Chemistry, Biology Board of Intermediate & Secondary Education Sargodha	1984
✓ Matriculation	Physics, Chemistry, Biology Board of Intermediate & Secondary Education Sargodha	1981

ADMINISTRATIVE POSITIONS:

PRINCIPAL

University of Education Township Campus Lahore.

DIRECTOR

Division of Science & Technology, University of Education Township Campus, Lahore

CHAIRMAN / CHAIRPERSON

- Departmental Tenure Review Committee (DTRC) (Botany).
- University Transport Committee.
- Chairperson of Department of Botany for three years.
- Board of Studies of Division Science & Technology University of Education, Lahore.
- College Discipline Committee for Township Campus.
- Anti – Plagiarism Committee.
- Dengue Control Cell.
- Affiliation Committee.
- University Scholarship Management Committee.
- Committee for conducting the test for shortlisting the applicants on vacant post BS (05-16)
- Committee of the Public Procurement Rules to address the complaints of bidders.
- Committee to deal with the requests of students for Re-Checking of their answer paper.
- University Selection Committee II for the selection of non-teaching staff from BS-01 to BS10.

CONVENER

- *Committee to probe the matter regarding wrong entry of the sessional mark of a repeating course of 2nd semester.*

- *Committee for the Scrutiny of applications of the flood affected students to pay their fees.*
- *Committee to prepare the rules regarding preservation and weeding of old / previous record for approval from competent forum*
- Refreshment Committee for 20-Year Celebration of Establishment of University of Education, Lahore.
- *Probe Committee to probe 49 audit paras recommended for regularization*
- *Committee for the adoption of SOPs to Promote Quality Culture and develop self-sustaining atmosphere for University.*
- *Committee to initiate the Internal / Self-Review on M.Phil./MS/Ph.D programs of University.*
- *Committee to initiate the process of transferring the employees who have been appointed by the UE against Government of the Punjab seats*
- *Departmental Selection Committee for Visiting Teachers in Division of S&T.*
- *University Grievance committee to address the Grievance of the Employees and Students.*
- *Committee to probe the matter and fix the responsibility of excess payment as determined in the draft para No. 8.4.19 (AIR-06).*
- *Committee to inquire the status of cutting of 20 trees and their whereabouts and decide how much penalty be imposed on the contractor of the project.*
- *University Transport Committee.*
- *Bachelor Faculty Hostel Committee*
- *Pre-Institutional Scholarship Award Committees (PRE-ISAC) for Ehsaas Undergraduate*
- *Committee to submit recommendations regarding.*
 - *Panel of hospitals for health facilities for staff / faculty of all UE Campuses*
 - *On-Campus health facilities to students of all UE Campuses*
- *Committee to submit recommendations regarding.*
 - *Academic Calendar for the year 2020-21*
 - *Revise Academic Calendar for the year 2019-20*
 - *Proposal of Summer Semester*
- *Tender & Refreshment Committee for 7th Convocation*
- *Tender Opening Committee for works beyond Rs.2.0 million*
- *Institutional Scholarship Award Committee (ISAC) for HEC Need Base Scholarship FY 2014-15*
- *Purchase Committee for the University of Education, Division of S&T.*
- *Purchase Committee for the University of Education, Township Campus.*
- *Canteen Committee*

DEPUTY CONVENER / DEPUTY CHAIRMAN

- Institutional Scholarship Award Committee (ISAC) for HEC Need Base Scholarship FY 2018-19
- Academic Committee University of Education Township Campus Lahore.

FOCAL PERSON / CONFERENCE CHAIR

- First International Conference on “Recent Approaches in Plant Sciences (RAPS-2022).
- Establishment of Green Youth Movement (GYM) Clubs in the Public Sector Higher Education Institutions (HEIS).

- Committee for 1st International Conference on English Literature, Linguistics and Teaching Interaction in English.
- International Webinar on Ecosystem Restoration and Inaugural Ceremony of Botanical Garden at Division of S&T.
- To Deal with the quarries of students of Baluchistan in Punjab.
- Punjab Youth Festival
- Convener Annual Sports 2013

MEMBER

- University Admission Committee for Spring 2023.
- UE Entry Test Committee for the Admissions Spring 2023.
- UE Committee to review the UE Service statutes for Non-Teaching Staff from BS-01 to BS-21.
- Committee to review the nomination and select the winner of the University-Level Best Teacher Award.
- 8th International and 17th National Conference on “Advance in Plan Science in the Era of Climate Change”.
- Fora constituted under section 59 of the PPRA rules.
- Humanitarian Flood Relief and Assistance Campaign to Support flood effected families in south Punjab and Baluchistan.
- House Allotment Committee.
- Committee to Review the University of Education, Employees Medical Rules 2020.
- Steering Committee (SC) for 20-Year Celebration of Establishment of University of Education, Lahore.
- Steering Committee for “Inter Campuses Annual Sports Gala 2022”.
- University Admission Committee for Spring 2022.
- Reception Committee for 8th Convocation 2021.
- Committee to review and recommend the following points.
 - The matter regarding Summer Semester with respect to Time, Duration, Schedule, Fee structure, No. of Students, Mode of Examination etc.
 - The mater regarding extension of final Semester and Research Students.
- Committee to Review the “HEC Policy on PhD Degree Program” for adoption in UE.
- Institutional Scholarship Award Committee (ISAC) FY 2021-22
- Committee for Examination Matters (Transcript format, Edit Control Option)
- Institutional Scholarship Award Committee (ISAC) for Ehsaas Undergraduate Scholarship FY 2020-21
- Committee to prepare accurate data required for Times Higher Education (THE) University Impact Ranking 2020.
- Review Committee for Internal / Self-Review of All Ph.D. / MS / M. Phil equivalent Programs
- Preliminary Conference Organization Committee regarding ICE-2018.
- Admission Committee & Entry Test Committee for Fall 2016.
- Grievances Redress Committee regarding Prime Minister’s National Laptop Scheme.
- Research Incentive Award Committee.
- Plagiarism Standing Committee.
- Selection Committee - 1 for the selection of administrative staff in BS (11-16).

- Organizing Committee for Annual Sports Gala 2017.
- Canteen Committee of UE Township Campus.
- *Institutional Scholarship Award Committee (ISAC) for HEC Need Base Scholarship FY 2013-14*
- Committee for the safe handling and distribution of laptop among the eligible students.
- Admission Committee for Fall 2012 University of Education, Lahore.
- Library Committee
- Institutional Scholarship Award Committee (ISAC) to ensure the impartiality & transparency of HEC need based Scholarship Program.
- Tender Opening Committee for works (Development/M&R) costing above Rs.0.5 million
- Committee to Revise, update and modify the Ph.D. regulations of the University.
- HEC Curriculum Revision Committee 2012-13
- Committee to finalize the recommendations for semester system
- Comprehensive Examination Comprising Committee
- Committee to advise & coordinate Pre-step activities at University of Education Lahore
- Committee of Hardship cases and considered the anomalous and hardship cases of the students.
- Affiliation Committee.
- Purchase Committee.
- Board of Studies of Division Science & Technology University of Education, Lahore.
- Evaluation of Technical Bids and inspection for Chemicals, Glassware equipment and apparatus for labs.
- University Discipline Committee
- House Requisition Policy
- Unfair Means Committee (UMS) for UExams and Comprehensive Examination
- 7th International Conference on Education
- Board of Management of Benevolent Fund

SUPERVISOR

- HEC Approved PhD Supervisor

PERSONAL INFORMATION:

Date of Birth: December 06, 1965.
 Home Address: H.No.315 - E -1 Block Wapda Town Lahore.
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 Cell: 0333-4297267
 E-mail: ranaabrar299@gmail.com

REFERENCES:

Will be furnished if desired