

6th HEC Outstanding Research Awards 2015/2016

1. BEST RESEARCH PAPER AWARDS

1) Natural Sciences:

SN	Name	Institution	Paper Title	Journal	Field
1.	Dr. Muhammad Ali	COMSATS Institute of Information Technology Abbottabad	Regio- and Stereo selective Homologation of 1,2-Bis(Boronic Esters): Stereo controlled Synthesis of 1,3-Diols and Sch 725674	Angewandte Chemie International, 2016	Chemistry
2.	Dr. Shah Faisal	University of Peshawar	Rifting, subduction and collisional records from pluton petrogenesis and geochronology in the Hindu Kush, NW Pakistan	Gondwana Research 2016	Geology
3.	Dr. Majid Khan	Abdul Wali Khan University, Mardan	Molybdenum sulfide/graphene-carbon nanotube Nano composite material for electro catalytic applications in hydrogen evolution reactions	Nano Research 2016	Physics
4.	Dr. Bushra Bari	National Institute of Vacuum Science and Technology, Islamabad	Simple hydrothermal synthesis of very-long and thin silver nanowires and their application in high quality transparent electrodes	Journal of Materials Chemistry A 2016	Physics
5.	Mr. Imran Majeed	Quaid-i-Azam University, Islamabad	On the role of metal particle size and surface coverage for photo-catalytic hydrogen production: A case study of the Au/CdS system	Applied Catalysis B: Environmental 2016	Chemistry
6.	Dr. Muhammad Ishaq	COMSATS Institute of Information Technology, Vihari	Numerical study of an innovative design of a finned double-pipe heat exchanger with variable fin-tip thickness	Energy Conversion and Management 2015	Mathematics
7.	Dr. Kalim Ullah	COMSATS Institute of Information Technology, Islamabad	Investigations into Precipitation and Drought Climatologies in South Central Asia with Special Focus on Pakistan over the Period 1951-2010	Journal of Climate 2016	Meteorology

2) Biological Sciences:

SN	Name	Institution	Paper Title	Journal	Field
1	Dr. Zia-ur-Rehman Mashwani	PMAS-Arid Agriculture University, Rawalpindi	Applications of plant terpenoids in the synthesis of colloidal silver nanoparticles	Advances in Colloid and Interface Science 2016	Botany
2	Ms. Irum Javaid Siddiqui	Quaid-I-Azam University, Islamabad	The Parkinson Disease gene SNCA: Evolutionary and structural insights with pathological implication	Scientific Reports 2016	Bioinformatics
3	Dr. Arshan Nasir	COMSATS Institute of Information Technology, Islamabad	HGTtree: database of horizontally transferred genes determined by tree reconciliation	Nucleic Acids Research 2016	Bioinformatics
4	Syed Hasnain Shah	COMSATS Institute of Information Technology, Abbottabad	Improvement in lipids extraction processes for biodiesel production from wet microalgal pellets grown on diammonium phosphate and sodium bicarbonate combinations	Bioresource Technology 2016	Environmental Sciences (Energy)
5	Dr. Muhammad Imran Khan	University of Agriculture, Faisalabad	Improved RDX detoxification with starch addition using a novel nitrogen-fixing aerobic microbial consortium from soil contaminated with explosives	Journal of Hazardous Materials 2015	Environmental Sciences
6	Dr. Muhammad Iqbal	Government College University, Faisalabad	Organic chelants-mediated enhanced lead (Pb) uptake and accumulation is associated with higher activity of enzymatic antioxidants in spinach (<i>spinacea oleracea</i> L.)	Journal of Hazardous Materials 2016	Botany
7	Dr. Irum Shahzadi	COMSATS Institute of Information Technology, Abbottabad	Acylated flavonol glycosides from <i>Tagetes minuta</i> with antibacterial activity	Frontier in Pharmacology 2015	Biotechnology

3) Agricultural Sciences:

SN	Name	Institution	Paper Title	Journal	Field
1.	Dr. Tariq Aziz	University of Agriculture, Faisalabad	Mechanism for tolerance of very high tissue phosphorus concentrations in <i>Ptilotus Polystachyus</i>	Plant, Cell & Environment 2015	Soil Sciences
2.	Ms. Sadaf Anwaar	International Islamic University, Islamabad	The effect of Green Synthesized CuO Nanoparticles on Callogenesis and Regeneration of <i>Oryza sativa</i> L.	Frontiers in Plant Sciences 2016	Plant Biotechnology
3.	Dr. Farhan Anwar Khan	The University of Agriculture Peshawar	Immunoproteomic identification of MbovP579, a promising diagnostic biomarker for serological detection of <i>Mycoplasma bovis</i> infection	Oncotarget 2016	Veterinary Sciences
4.	Dr. Muhammad Sarwar Khan	University of Agriculture, Faisalabad	Metabolic engineering of the chloroplast genome reveals that the yeast ArDH gene confers enhanced tolerance to salinity and drought in plants	Frontiers in Plant Science 2015	Plant Molecular Biology & Biotechnology
5.	Ms. Aniqat Batool	Arid Agriculture University, Rawalpindi	Potential of Soil amendments (Biochar and Gypsum) in Increasing water use efficiency of <i>Abelmoschus esculentus</i> L. Moench	Frontiers in Plant Science 2015	Environmental Biology/Crop Ecology

4) Health Sciences:

SN	Name	Institution	Paper Title	Journal	Field
1	Dr. Naseebullah Kakar	BUIITEMS, Quetta	Exome sequencing and CRISPR/Cas genome editing identify mutations of ZAK as a cause of limb defects in humans and mice	Genome Research 2016	Molecular Medicine
2	Dr. Muhammad Furqan Bari	Dow University of Health Sciences, Karachi	Gestational diabetic transcriptomic profiling of microdissected human trophoblast	Journal of Endocrinology 2016	Pathology
3	Dr. Asia Naz	University of Karachi	Decitabine Nanoconjugate Sensitizes Human Glioblastoma Cells to Temozolomide	Molecular Pharmaceutics 2015	Pharmaceutical Chemistry

5) Pure Engineering:

SN	Name	Institution	Paper Title	Journal	Field
1	Dr. Ayaz Ahmad	COMSATS institute of Information Technology, Wah Cantt.	A Survey on Radio Resource Allocation in Cognitive Radio Sensor Networks	IEEE Communication Surveys & Tutorials 2015	Electrical Engineering
2	Dr. Sajid Butt	Institute of Space Technology, Islamabad	Enhanced Thermoelectricity in High-Temperature B-Phase Copper(I) Selenides Embedded with Cu ₂ Te Nanoclusters	ACS Applied Materials & Interfaces 2016	Material Science & Engineering
3	Dr. Iftikhar Ali Sahito	Mehran University of Engineering and Technology, Jamshoro	Flexible and conductive cotton fabric counter electrode coated with graphene nanosheets for high efficiency dye sensitized solar cell	Journal of Power Source 2016	Textile Engineering

6) Computer Science/Engineering:

SN	Name	Institution	Paper Title	Journal	Field
1.	Dr. Ghulam Abbas	GIK Institute of Engineering Sciences and Technology, Swabi	Fairness -Driven Queue Management: A Survey and Taxonomy	IEEE Communication Surveys and Tutorials 2016	Computer Science
2.	Dr. Farhan Hassan Khan	National University of Science and Technology-NUST, Islamabad	eSAP: A decision support framework for enhanced sentiment analysis and polarity classification	Information Sciences 2016	Computer Software Engineering
3.	Dr. Nouman Azam	National University of Computer and emerging sciences, (NUCES-FAST), Peshawar Campus	A three-way decision making approach to malware analysis using probabilistic rough sets	Information Sciences 2016	Computer Science
4.	Dr. Usman Qamar	National University of Science and Technology (NUST), Islamabad	An incremental dependency calculation technique for feature selection using rough sets	Information Sciences 2016	Computer Engineering

7) Social Sciences:

SN	Name	Institution	Paper Title	Journal	Field
1.	Dr. Muhammad Javid	Pakistan Institute of Development Economics, Islamabad	Environmental Kuznets curve and financial development in Pakistan	Renewable and Sustainable Energy Reviews 2016	Economics
2.	Dr. Rafia Rafique	University of the Punjab, Lahore	Experiences and coping behaviors of adolescents in Pakistan with alopecia areata: An interpretative phenomenological analysis	International Journal of Qualitative Studies on Health and Well Being 2015	Psychology
3.	Dr. Muhammad Asif	University of Malakand, Dir	In-play forecasting of win probability in one-Day international cricket: A dynamic logistic regression model	International Journal of Forecasting 2016	Statistics
4.	Ms. Sania Awais	Lahore College of Women University, Lahore	Information accessibility for students with disability: An exploratory study of Pakistan	Malaysian Journal of Library & Information Sciences 2015	Library & Information Management
5.	Dr. Ghulam Shams-ur-Rehman	Government College University, Faisalabad	The Taliban identity and Dream of National Cohesion: Establishing a Central Government in Afghanistan	IPRI Journal, Islamabad 2016	Islamic Studies

8) Management Sciences:

SN	Name	Institution	Paper Title	Journal	Field
1.	Dr. Muhammad Zahid Iqbal	COMSATS Institute of Information Technology, Islamabad	Effectiveness of performance appraisal: an integrated framework	International Journal of Management Reviews 2015	Human Resource Management
2.	Dr. Raza Ali	Bahauddin Zakariya University, Multan	The moderating influences on the relationship of corporate reputation with its antecedents and consequences: A meta-analytic review	Journal of Business Research 2015	Management Sciences

9) Arts & Humanities:

SN	Name	Institution	Paper Title	Journal	Field
1.	Ms. Asma Mansoor	International Islamic university, Islamabad	Deconstructive pedagogy and ideological demystification in post- colonial Pakistan	Curriculum Inquiry 2016	English Literature
2.	Dr. Tariq Mahmood	Government Postgraduate College, Khanawal	Dakni Tehqeeqat: Noiyyat o Mayyaar	General of Research, BZU 2015	Urdu

2. BEST YOUNG RESEARCH SCHOLAR AWARDS

SN	Name	Institution	Field	Discipline
1.	Dr. Hassan Imran Afridi	University of Sindh Jamshoro	Chemistry	Natural Sciences
2.	Dr. Shafaqat Ali	GC University Faisalabad	Environmental Sciences	Biological Sciences
3.	Dr. Imran Pasha	University of Agriculture, Faisalabad	Food Science & Tech.	Agriculture Sciences
4.	Dr. Fahad Saleem	University of Balochistan, Quetta	Pharmaceutical Sciences	Health Sciences
5.	Dr. Sher Jamal Khan	National University of Science & Technology, Islamabad	Environmental Engineering	Pure Engineering
6.	Dr. Usman Qamar	National University of Science & Technology, Islamabad	Computer Engineering	Computer Science & Engineering
7.	Dr. Jamil A. Malik	Quaid I Azam University, Islamabad	Psychology	Social Sciences
8.	Dr. Imran Hameed	The University of Lahore	Management Sciences	Management Sciences
9.	Dr. Muhammad Khawar Nawazish	Bahauddin Zakariya University, Multan	Urdu Linguistics	Arts & Humanities

3. BEST BOOK AWARDS

SN	Name	Institution	Book Title	Field	Discipline
1.	Dr. Arshad Mehmood Abbasi	Department of Environmental Sciences, COMSATS- IIT, Abbottabad	Wild Edible Vegetables of Lesser Himalayas Ethnobotanical and Nutraceutical Aspects	Plant Sciences	Biological Sciences
2.	Dr. Waqas Wakil	Department of Entomology, University of Agriculture, Faisalabad	Sustainable Pest Management in Date Palm: Current Status and Emerging Challenges	Entomology	Agriculture Sciences
3.	Dr. Ahmed Ijaz Malik	School of politics and International Relations, Quaid-i-Azam University, 2rd Avenue, Islamabad	US Foreign Policy and the Gulf Wars: Decision Making and International Relations	International Relations	Social Sciences
4.	Mr. Adnan Malik	Institute of Management Sciences, Peshawar	Introduction of Takaful: Theory & Practice	Islamic Finance	Management Sciences
5.	Dr. Tariq Rahman	Beacon House National University, Lahore	Names: A Study of Personal Names, Identity, and Power in Pakistan	Humanities (Onomastics)	Arts & Humanities

4. BEST INNOVATOR AWARD

SN	Name	Institution	Invention	Field	Discipline
1	Dr. Nasir Ahmad	University of the Punjab, Lahore	Single Step Liquefaction and Saccharification of Corn Starch Using an Acidophilic, Calcium Independent and Hyperthermophilic Pullulanase (Patent)	Food Science & Technology	Agriculture Sciences