



## Report of GOAL 3: Good Health and Well-being



Balochistan University of Information Technology, Engineering and Management Sciences has given a new vision and a distinct meaning to education and Research. Its guidelines for academic achievements are consistent with renowned institutions of the world. At BUITEMS, we are a community of professionals committed to preparing the leaders of tomorrow.

The foundations of Balochistan University of Information Technology, Engineering & Management Sciences are laid on the sound principles of excellence in academic standards, equity, equality, sincerity of purpose, and the vision for the future. BUITEMS has been declared as the Global Hub for Sustainable Development Goal 8 i.e., for Decent Work and Economic Growth by the United Nations Academic Impact.

At BUITEMS, we included this SDG in our curriculum with the focus of meaningful contribution to United Nations as a responsible Academic Institution of Pakistan.

Moreover, the research contribution of this specific SDG is as follows:

S. No.	Name	Department	Faculty	Title	Online Link
1.	Dr. Muhammad Asif	Biotechnology	FLS&I	Molecular, Cytogenetic and Hematological Analysis of Chronic Myeloid Leukemia Patients and Follow up by Imatinib Mesylate and Nilotinib. Analytical Cellular Pathology. Volume 2021, Article ID 4909012, 1-19.	<a href="https://www.hindawi.com/journals/acp/2021/4909012/">https://www.hindawi.com/journals/acp/2021/4909012/</a>
2.	Dr. Muhammad Asif	Biotechnology	FLS&I	Integrated genomic analysis identifies ANKRD 36 gene as a novel and common biomarker of disease progression in	<a href="https://pubmed.ncbi.nlm.nih.gov/34827175/">https://pubmed.ncbi.nlm.nih.gov/34827175/</a>

				Chronic Myeloid Leukemia. Biology. 10(11):1182.	
3.	Dr. Muhammad Asif	Biotechnology	FLS&I	). Full-Length Genome and Partial Viral Genes Phylogenetic and geographical Analysis of Dengue Serotype 3 Isolates. Microorganisms. 9(2):323	<a href="https://pubmed.ncbi.nlm.nih.gov/33583389/">https://pubmed.ncbi.nlm.nih.gov/33583389/</a>
4.	Dr. Muhammad Asif	Biotechnology	FLS&I	Cellular and molecular mechanisms of Dementia: Decoding the causal link of Diabetes Mellitus in Alzheimer's disease. CNS & Neurological Disorders-Drug Targets. 20. 602-612	<a href="https://pubmed.ncbi.nlm.nih.gov/34096454/">https://pubmed.ncbi.nlm.nih.gov/34096454/</a>
5.	Dr. Muhammad Asif	Biotechnology	FLS&I	Assessment of clinical variables as predictive markers in the development and progression of colorectal cancer. Bioengineered. 12:2288-2298	<a href="https://pubmed.ncbi.nlm.nih.gov/34096454/">https://pubmed.ncbi.nlm.nih.gov/34096454/</a>
6.	Dr. Muhammad Asif	Biotechnology	FLS&I	Phytochemical analysis and protective effects of Vaccinium macrocarpon (cranberry) in rats (Rattus norvegicus) following ethylene oxide-induced oxidative insult. Bioengineered 12:4593-460	<a href="https://pubmed.ncbi.nlm.nih.gov/34346287/">https://pubmed.ncbi.nlm.nih.gov/34346287/</a>
7.	Dr. Muhammad Asif	Biotechnology	FLS&I	Discovery of a novel and a rare Kristen rat sarcoma viral oncogene homolog (KRAS) gene mutation in colorectal cancer patients. Bioengineered 12:5099-5109.	<a href="https://pubmed.ncbi.nlm.nih.gov/34369256/">https://pubmed.ncbi.nlm.nih.gov/34369256/</a>
8.	Samiullah Khan	Biotechnology	FLS&I	Prevalence of Iron-Deficiency Anemia in Pregnant Women of Rural and Urban Areas of Balochistan, Pakistan. Pak-Euro	<a href="https://www.readersinsight.net/PJMLS/article/view/2259">https://www.readersinsight.net/PJMLS/article/view/2259</a>

				Journal of Medical and Life Sciences, 4(4):164-169.	
9.	Dr. Abrar Hussain	Biotechnology	FLS&I	DNA methylation across the tree of life, from micro to macro-organism. Bioengineered 13: 1666-1685.	<a href="https://www.tandfonline.com/doi/full/10.1080/21655979.2021.2014387">https://www.tandfonline.com/doi/full/10.1080/21655979.2021.2014387</a>
10	Dr. Abrar Hussain	Biotechnology	FLS&I	Inter-ethnic genetic variations and novel variant identification in the partial sequences of CYP2B6 gene in Pakistani population. PeerJ. 9: e11149	<a href="https://peerj.com/articles/11149/">https://peerj.com/articles/11149/</a>
11	Dr. Muhammad Naeem Shahwani	Biotechnology	FLS&I	Influence of Silica Gel on Ion Homeostasis in Salt Stressed Wheat Varieties of Balochistan. Silicon	<a href="https://link.springer.com/article/10.1007/s12633-020-00706-9">https://link.springer.com/article/10.1007/s12633-020-00706-9</a>
12	Dr. Asma Yousafzai	Biotechnology	FLS&I	Investigation and Prevalence of Hepatitis C Virus Genotypes in Pregnant Women. International Journal Of Human Genetics 21 (2):79-84	<a href="https://www.researchgate.net/profile/Ghulam-Mujtaba-2/publication/354270191_Investigation_and_Prevalence_of_Hepatitis_C_Virus_Genotypes_in_Pregnant_Women/links/612f2968c69a4e48796ed790/Investigation-and-Prevalence-of-Hepatitis-C-Virus-Genotypes-in-Pregnant-Women.pdf">https://www.researchgate.net/profile/Ghulam-Mujtaba-2/publication/354270191_Investigation_and_Prevalence_of_Hepatitis_C_Virus_Genotypes_in_Pregnant_Women/links/612f2968c69a4e48796ed790/Investigation-and-Prevalence-of-Hepatitis-C-Virus-Genotypes-in-Pregnant-Women.pdf</a>
13	Samiullah Khan	Biotechnology	FLS&I	Molecular evolution of zika virus by phylogenetic analysis of individual structural Capsid (C) gene and whole-genome sequences worldwide. Molecular evolution of zika virus by phylogenetic analysis. Pak-Euro Journal of Medical and Life Sciences. 4(4):170-177	<a href="https://readersinsight.net/PJMLS/article/view/2205">https://readersinsight.net/PJMLS/article/view/2205</a>

14	Dr. Muhammad Waseem Khan	Biotechnology	FLS&I	Novel coronavirus 2019 (COVID-19) pandemic outbreak: A comprehensive review of the current literature. <i>Vacunas (English Edition)</i> . 22(2): 106-113	<a href="https://www.sciencedirect.com/science/article/pii/S244514602100025X">https://www.sciencedirect.com/science/article/pii/S244514602100025X</a>
15	Dr. Muhammad Waseem Khan	Biotechnology	FLS&I	A cohort study on adult hematological malignancies and brain tumors in relation to magnetic fields from indoor transformer stations. <i>International Journal of Hygiene and Environmental Health</i> . 233:113712	<a href="https://www.sciencedirect.com/science/article/pii/S1438463921000250">https://www.sciencedirect.com/science/article/pii/S1438463921000250</a>
16	Dr. Abdul Wali	Biotechnology	FLS&I	Ethnobotanical and Biochemical Study of <i>Berberis Lycium Royle</i> Collected from Different Areas of Azad Jammu and Kashmir. <i>Evidence-Based Complementary and Alternative Medicine</i> . Volume 2021: Article 9916305.	Ethnobotanical and Biochemical Study of <i>Berberis Lycium Royle</i> Collected from Different Areas of Azad Jammu and Kashmir. <i>Evidence-Based Complementary and Alternative Medicine</i> . Volume 2021: Article 9916305
17	Dr. Abdul Wali	Biotechnology	FLS&I	Novel frameshift mutations in XPC gene underlie xeroderma pigmentosum in Pakistani families. <i>Indian Journal of Dermatology</i>	Novel frameshift mutations in XPC gene underlie xeroderma pigmentosum in Pakistani families. <i>Indian Journal of Dermatology</i>
18	Dr. Abdul Wali	Biotechnology	FLS&I	Identification of a Novel Homozygous Missense (c. 443A> T: p. N148I) Mutation in BBS2 in a Kashmiri Family with Bardet-Biedl Syndrome. <i>BioMed research international</i> . Volume 2021: Article ID 6626015.	<a href="https://www.hindawi.com/journals/bmri/2021/6626015/">https://www.hindawi.com/journals/bmri/2021/6626015/</a>

19	Dr. Rozeena Shaikh	Biotechnology	FLS&I	Association of SNP rs700519 in CYP19A1 Gene with Polycystic Ovary Syndrome (PCOS) among Females of Quetta, Pakistan. International Journal of Human Genetics. 21(3): 96-101	<a href="https://www.researchgate.net/profile/Sanam-Khan-4/publication/354506486_Association_of_SNP_rs700519_in_CYP19A1_Gene_with_Polycystic_Ovary_Syndrome_PCOS_among_Females_of_Quetta_Pakistan/links/613b5ac6eb571c21efab0af0/Association-of-SNP-rs700519-in-CYP19A1-Gene-with-Polycystic-Ovary-Syndrome-PCOS-among-Females-of-Quetta-Pakistan.pdf">https://www.researchgate.net/profile/Sanam-Khan-4/publication/354506486_Association_of_SNP_rs700519_in_CYP19A1_Gene_with_Polycystic_Ovary_Syndrome_PCOS_among_Females_of_Quetta_Pakistan/links/613b5ac6eb571c21efab0af0/Association-of-SNP-rs700519-in-CYP19A1-Gene-with-Polycystic-Ovary-Syndrome-PCOS-among-Females-of-Quetta-Pakistan.pdf</a>
20	Dr. Shahzia Iqbal	Chemistry	FBS	Virulent and multidrug-resistant Klebsiella pneumonia from clinical samples in Balochistan. International Wound Journal. 8(4):510-8.	<a href="https://onlinelibrary.wiley.com/doi/full/10.1111/iwj.13550">https://onlinelibrary.wiley.com/doi/full/10.1111/iwj.13550</a>
21	Dr. Haleema Sadia	Biotechnology	FLS&I	Targeting androgen receptor signaling with MicroRNAs and Curcumin: a promising therapeutic approach for Prostate Cancer Prevention and intervention. Cancer Cell International 21:1-13.	<a href="https://cancer-ci.biomedcentral.com/articles/10.1186/s12935-021-01777-3">https://cancer-ci.biomedcentral.com/articles/10.1186/s12935-021-01777-3</a>
22	Dr. Haleema Sadia	Biotechnology	FLS&I	MicroRNAs and Natural Compounds Mediated Regulation of TGF Signaling in Prostate Cancer. Frontiers in Pharmacology. 11:613464.	<a href="https://www.frontiersin.org/articles/10.3389/fphar.2020.613464/full">https://www.frontiersin.org/articles/10.3389/fphar.2020.613464/full</a>
23	Dr. Haleema Sadia	Biotechnology	FLS&I	Nanotechnology-based strategies for berberine delivery system in cancer treatment: Pulling strings to keep berberine in power. Frontiers in Molecular Biosciences 7:624494.	<a href="https://www.frontiersin.org/articles/10.3389/fmolb.2020.624494/full">https://www.frontiersin.org/articles/10.3389/fmolb.2020.624494/full</a>
24	Dr. Haleema Sadia	Biotechnology	FLS&I	Genistein as a regulator of signaling pathways and microRNAs in different types of cancers. Cancer Cell International, 21: 388	<a href="https://cancer-ci.biomedcentral.com/articles/10.1186/s12935-021-02091-8">https://cancer-ci.biomedcentral.com/articles/10.1186/s12935-021-02091-8</a>

25	Dr. Haleema Sadia	Biotechnology	FLS&I	Clinical applications of artificial intelligence and machine learning in cancer diagnosis: Looking into the future. Cancer cell international. 21: 270	<a href="https://cancerbiomedcentral.com/articles/10.1186/s12935-021-01981-1">https://cancerbiomedcentral.com/articles/10.1186/s12935-021-01981-1</a>
26	Dr. Haleema Sadia	Biotechnology	FLS&I	Evaluation of Cyclin-Dependent Kinase Inhibitor Signalling network in esophageal Adenocarcinoma Via computational and statistical approaches. Bioscience Research. 18(3): 2022-2029	<a href="https://scholars.cityu.edu.hk/en/publications/publication(Ofde6422-1748-4f62-84cc-8d463051e517).html">https://scholars.cityu.edu.hk/en/publications/publication(Ofde6422-1748-4f62-84cc-8d463051e517).html</a>
27	Dr. Haleema Sadia	Biotechnology	FLS&I	Apigenin role as cell-signaling pathways modulator: implications in cancer prevention and treatment. Cancer Cell International. 21(1): 1-11.	<a href="https://cancerbiomedcentral.com/articles/10.1186/s12935-021-01888-x">https://cancerbiomedcentral.com/articles/10.1186/s12935-021-01888-x</a>
28	Dr. Haleema Sadia	Biotechnology	FLS&I	Regulation of hedgehog signaling by miRNAs and nanoformulations: A Possible Therapeutic Solution for Colorectal Cancer. Frontiers in Oncology. 10: 607607	<a href="https://www.frontiersin.org/articles/10.3389/fonc.2020.607607/full">https://www.frontiersin.org/articles/10.3389/fonc.2020.607607/full</a>
29	Dr. Haleema Sadia	Biotechnology	FLS&I	Canine Populations in Vicinity are Propagating Canine Transmissible Venereal Tumour in Pakistan—A Pilot Study. Pakistan Journal of Zoology. 2021: 1-6.	<a href="http://researcherslinks.com/uploads/articles/1634982907PJZ_MH20200302090345-R3_Awan%20et%20al.pdf">http://researcherslinks.com/uploads/articles/1634982907PJZ_MH20200302090345-R3_Awan%20et%20al.pdf</a>
30	Dr. Nusrat Jahan	Biotechnology	FLS&I	Genetic architecture of Al3+ toxicity tolerance in rice F2: 3 populations determined through QTL mapping. Ecotoxicology. 30(5):794-805	<a href="https://link.springer.com/article/10.1007/s10646-021-02413-6">https://link.springer.com/article/10.1007/s10646-021-02413-6</a>

31	Dr. Abrar Hussain	Biotechnology	FLS&I	Potential therapeutic natural products against Alzheimer's disease with Reference of Acetylcholinesterase. Biomedicine & Pharmacotherapy. 39:111609.	<a href="https://www.sciencedirect.com/science/article/pii/S0753332221003942">https://www.sciencedirect.com/science/article/pii/S0753332221003942</a>
32	Dr. Abrar Hussain	Biotechnology	FLS&I	Thalassemia Patients from Baluchistan in Pakistan Are Infected with Multiple Hepatitis B or C Virus Strains. The American journal of tropical medicine and hygiene. 104(4):1569.	<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8045631/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8045631/</a>
33	Dr. Shahjahan Shabbir	Biotechnology	FLS&I	Dissemination of NDM-1 in pseudomonas aeruginosa and Klebsiella pneumonia isolated from pus samples in tertiary care hospitals of Quetta, Pakistan. Journal of the Pakistan Medical Association. 71:228-232	<a href="https://www.jpma.org.pk/PdfDownload/10384">https://www.jpma.org.pk/PdfDownload/10384</a>
34	Dr. Nazeer Ahmed	Biotechnology	FLS&I	Molecular Identification of Parasitic Mistletoe (Arceuthobium oxycedri) of Juniper Ecosystem from District Ziarat, Balochistan, Pakistan. FUUAST Journal of Biology. 11(1):9-16	<a href="https://www.fuuastjb.org/index.php/fuuastjb/article/view/590">https://www.fuuastjb.org/index.php/fuuastjb/article/view/590</a>
35	Dr. Nazeer Ahmed	Biotechnology	FLS&I	Effect of hormonal contraceptives on fibrinogen and plasma antithrombin. Pakistan Journal of Medical and Health Sciences. 5(3):649-53.	<a href="https://pjmhsonline.com/2021/march/649.pdf">https://pjmhsonline.com/2021/march/649.pdf</a>
36	Dr. Asma Abro	Biotechnology	FLS&I	Structural probing of HapR to identify potent phytochemicals to control Vibrio cholera through integrated computational approaches.	<a href="https://www.sciencedirect.com/science/article/abs/pii/S001048252100723X">https://www.sciencedirect.com/science/article/abs/pii/S001048252100723X</a>

				Computers in Biology and Medicine. 138:104929.	
37	Dr. Asma Abro	Biotechnology	FLS&I	Molecular screening of glycyrrhizin-based inhibitors against ACE2 host receptor of SARS-CoV-2. Journal of Molecular Modeling. 27(7):1-3.	<a href="https://link.springer.com/article/10.1007/s00894-021-04816-y">https://link.springer.com/article/10.1007/s00894-021-04816-y</a>
38	Dr. Asma Abro	Biotechnology	FLS&I	SARS-CoV-2: An update on genomics, risk assessment, potential therapeutics and vaccine development. International Journal of Environmental Research and Public Health. 18(4):1626	<a href="https://www.mdpi.com/1660-4601/18/4/1626">https://www.mdpi.com/1660-4601/18/4/1626</a>
39	Dr. Imrana Niaz Sultan	Biotechnology	FLS&I	Cellulase addition and pre-hydrolysis effect of high solid fed-batch simultaneous saccharification and ethanol fermentation from combined pretreated oil palm trunk. ACS Omega	<a href="https://pubs.acs.org/doi/full/10.1021/acsomega.1c03111">https://pubs.acs.org/doi/full/10.1021/acsomega.1c03111</a>
40	Dr. Haleema Sadia	Biotechnology	FLS&I	An Experimental Trial: Multi-Robot Therapy for Categorization of Autism Level Using Hidden Markov Model. Journal of Educational Computing Research. 60(3):722-741.	<a href="https://journals.sagepub.com/doi/abs/10.1177/07356331211040405">https://journals.sagepub.com/doi/abs/10.1177/07356331211040405</a>
41	Dr. Haleema Sadia	Biotechnology	FLS&I	Pharmacy Education and Role of the Teachers During the COVID-19 Pandemic. Bangladesh Journal of Medical Science. 20:183-184.	<a href="file:///C:/Users/ORIC/Downloads/38935.pdf">file:///C:/Users/ORIC/Downloads/38935.pdf</a>
42	Dr. Haleema Sadia	Biotechnology	FLS&I	Notch signaling and MicroRNA: The dynamic duo steering between neurogenesis and glioblastomas. Cellular and Molecular Biology. 67(2):33-43.	<a href="http://cellmolbiol.org/index.php/CMB/article/view/3299">http://cellmolbiol.org/index.php/CMB/article/view/3299</a>



43	Dr. Haleema Sadia	Biotechnology	FLS&I	Epidemiological Survey of the Prevalence of HCV and HBV among the Factory Workers in the Periphery of Lahore. BioScientific Review. 3:25-33	<a href="https://journals.umt.edu.pk/index.php/BSR/article/view/1074">https://journals.umt.edu.pk/index.php/BSR/article/view/1074</a>
44	Dr. Haleema Sadia	Biotechnology	FLS&I	Detection of Mycotoxigenic Fungi and Mycotoxins in Poultry Feed of Balochistan Pakistan. Journal of the Hellenic Veterinary Medical Society. 72:2741-2746	<a href="https://ejournals.epublishing.ekt.gr/index.php/jhvms/article/view/26759">https://ejournals.epublishing.ekt.gr/index.php/jhvms/article/view/26759</a>
45	Dr. Haleema Sadia	Biotechnology	FLS&I	Geographical, Molecular, and Computational Analysis of Migraine-Causing Genes. Journal of Computational Biophysics and Chemistry. 20(4):391-403.	<a href="https://www.worldscientific.com/doi/abs/10.1142/s2737416521500204">https://www.worldscientific.com/doi/abs/10.1142/s2737416521500204</a>
46	Dr. Haleema Sadia	Biotechnology	FLS&I	COVID-19 Pandemic Verses Students Promotion Criteria At Higher Education Level. Elementary Education Online 20(4):3120-3127.	<a href="http://ilkogretim-online.org/?mno=88177">http://ilkogretim-online.org/?mno=88177</a>
47	Dr. Shakeela Daud	Biotechnology	FLS&I	Study on Amyotrophic lateral Sclerosis: A Disease of Motor Neuron in Pakistan. International Journal of Pathology. 19(3):155-64.	<a href="https://jpathology.com/index.php/OJS/article/view/684">https://jpathology.com/index.php/OJS/article/view/684</a>
48	Dr. Abrar Hussain	Biotechnology	FLS&I	Estimation of polymorphisms in the drug-metabolizing enzyme, cytochrome P450 2C19 gene in six major ethnicities of Pakistan. Bioengineered. 12(1):4442-51.	<a href="https://www.tandfonline.com/doi/full/10.1080/21655979.2021.1955809">https://www.tandfonline.com/doi/full/10.1080/21655979.2021.1955809</a>
49	Dr. Shakeela Daud	Biotechnology	FLS&I	Microbial pollution in inland recreational freshwaters of Quetta, Pakistan: an initial report. Journal of Water and Health. 20: 575-588.	<a href="https://iwaponline.com/jwh/article/20/3/575/87287/Microbial-pollution-in-inland-recreational">https://iwaponline.com/jwh/article/20/3/575/87287/Microbial-pollution-in-inland-recreational</a>

50	Dr. Anwar Khan	Microbiology	FLS&I	Expression of ice recrystallization inhibition protein in transgenic potato lines associated with reduced electrolyte leakage and efficient recovery post freezing injury. Journal of Biotechnology. 10: 327:97-105	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0168165621000122">https://www.sciencedirect.com/science/article/abs/pii/S0168165621000122</a>
51	Dr. Ashiq Khan	Microbiology	FLS&I	Understanding the effects of gut microbiota dysbiosis on nonalcoholic fatty liver disease and the possible probiotics role: Recent updates. International Journal of Biological Sciences. 17(3): 818	<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7975705/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7975705/</a>
52	Dr. Ashiq Khan	Microbiology	FLS&I	Microbiota Targeted Interventions of Probiotic Lactobacillus as an Anti-Ageing Approach: A Review. Antioxidants. 10(12): 1930.	<a href="https://www.mdpi.com/2076-3921/10/12/1930">https://www.mdpi.com/2076-3921/10/12/1930</a>
53	Dr. Muhammad Rafiq	Microbiology	FLS&I	Composition and functional profiles of microbial communities in two geochemically and mineralogically different caves. Applied microbiology and biotechnology. 105(23):8921-8936	<a href="https://link.springer.com/article/10.1007/s00253-021-11658-4">https://link.springer.com/article/10.1007/s00253-021-11658-4</a>
54	Dr. Muhammad Rafiq	Microbiology	FLS&I	Microbial characterization and Cold-Adapted Predicted Protein (CAPP) database construction from the active layer of Greenland's permafrost. FEMS Microbiology Ecology. 97(10):27.	<a href="https://academic.oup.com/femsec/article/97/10/fiab127/6360974">https://academic.oup.com/femsec/article/97/10/fiab127/6360974</a>

55	Dr. Muhammad Rafiq	Microbiology	FLS&I	Calcium Carbonate Precipitation by Rock Dwelling Bacteria in Murree Hills, Lower Himalaya Range Pakistan. Geomicrobiology Journal. 38(3): 231-236.	<a href="https://www.tandfonline.com/doi/full/10.1080/01490451.2020.1836085">https://www.tandfonline.com/doi/full/10.1080/01490451.2020.1836085</a>
56	Dr. Muhammad Rafiq	Microbiology	FLS&I	Geochemistry and Insights into the Distribution of Biotechnological Important Fungi from the third Pole of the World, Karakoram Mountains Range. Geomicrobiology Journal. 38(5): 395-403.	<a href="https://www.tandfonline.com/doi/full/10.1080/01490451.2020.1863526">https://www.tandfonline.com/doi/full/10.1080/01490451.2020.1863526</a>
57	Dr. Muhammad Rafiq	Microbiology	FLS&I	Cave Microbes as a Potential Source of Drugs Development in the Modern Era. Microbial ecology. 1-12.	<a href="https://link.springer.com/article/10.1007/s00248-021-01889-3">https://link.springer.com/article/10.1007/s00248-021-01889-3</a>
58	Asif Rahim		FLS&I	Genomic and biological characteristics of Avian Orthoavulavirus-1 strains isolated from multiple wild birds and backyard chickens in Pakistan. Tropical Animal Health and Production. 53(1):1-12.	<a href="https://link.springer.com/article/10.1007/s11250-020-02497-y">https://link.springer.com/article/10.1007/s11250-020-02497-y</a>
59	Dr. Anwar Khan	Microbiology	FLS&I	Comparative Silencing Effect of Different siRNA Fragments on Potato Virus X Coat Protein in Transient Transfection Assays. Pakistan Journal of Zoology. 54(1). 1-7.	<a href="https://researcherslinks.com/uploads/articles/1609974936PJZ_MH20190214060247-R2_Khan%20et%20al.pdf">https://researcherslinks.com/uploads/articles/1609974936PJZ_MH20190214060247-R2_Khan%20et%20al.pdf</a>
60	Dr. Asma Yousafzai	Biotechnology	FLS&I	Efficacy of cavern Isolates for Biodegradation of Synthetic Plastic. Letters in organic chemistry. 9(3): 198-207	<a href="https://www.ingentaconnect.com/content/ben/loc/2022/0000019/00000003/art00005">https://www.ingentaconnect.com/content/ben/loc/2022/0000019/00000003/art00005</a>

61	Kaleem Ullah Kakar	Microbiology	FLS&I	Expression of the type III secretion system genes in epiphytic <i>Erwinia amylovora</i> cells on apple stigmas benefits endophytic infection at the hypanthium. <i>Molecular Plant-Microbe Interactions</i> . 34 (10):1119-1127.	<a href="https://apsjournals.apsnet.org/doi/full/10.1094/MPMI-06-21-0152-R">https://apsjournals.apsnet.org/doi/full/10.1094/MPMI-06-21-0152-R</a>
62	Kaleem Ullah Kakar	Microbiology	FLS&I	Comparative Analysis of Physiological, Enzymatic, and Transcriptomic Responses Revealed Mechanisms of Salt Tolerance and Recovery in <i>Triticum</i> . <i>Frontiers in plant science</i> 12:800081-800081	<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8766340/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8766340/</a>
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11	Dr. Zaheer Abbas Gilani	Physics	FBS	Structural, dielectric, impedance, and electric modulus properties of Cu <sup>2+</sup> -substituted C <sub>x</sub> Mn <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> spinel ferrites nanoparticles. Journal of Materials Science: Materials in Electronics. 32 (3):2832-2844	<a href="https://link.springer.com/article/10.1007/s10854-020-05036-5">https://link.springer.com/article/10.1007/s10854-020-05036-5</a>
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