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Name		Imran Ali Sani		
Designation		Assistant Professor		
Department		Department of Biotechnology (FLS&I)		
Research Profile		ORCID ID: https://orcid.org/0000-0002-3326-0277		
		Research Gate ID: Imran Ali Sani https://www.researchgate.net/profile/imran-ali-Sani		
		Google Scholar Profile ID:Imran Ali Sani,Buitems		
E-mail address		Official	Imran.ali@buitms.edu.pk	
		Personal	immesani@gmail.com	
Telephone Number		Office Extension	+92-81-111 717 111 (635)	
		Mobile	+92-3336078248	
		Residential	----	
Date of Birth		24 th of August 1976		
Qualification				
Year	Degree/Certificate	Name of the Institute / University	Field of study	
2005	M.Sc. (Hons) Agriculture	University of Agriculture, Faisalabad, Pakistan.	Agriculture Entomology	
2003	B.Sc. (Hons) Agriculture		Agriculture Entomology	
1998	Intermediate	Tameer -i- Nau Public College, Quetta, Pakistan.	Medical / Additional Math	
1996	Matriculation	Tameer -i- Nau Public School, Quetta, Pakistan.	Science	
Publications in HEC Recognized journals				
No.	Title of Paper	Name of Journal	National/ International	Publication date
1	<u>Ant fauna (Hymenoptera: Formicidae) of Quetta, Balochistan, Pakistan</u> HA Ahmed, S Noor, IA Sani , S Kanwal, S Khudaidad, M Khawar Serranga 18 (2), 47-59	Serranga	International	2013
2	Ahmed SS, Khan M. A., Sani I. A. , Sharif M., Naeem M., Sarwat A., Ahmed N. (2013). Impact of Phosphorus Levels on Vegetative Growth and seed yield of leuttuce (<i>Lactuca sativa</i> L.) cultivars. ÇOMÜ Ziraat Fakültesi Dergisi (COMU Journal	Journal of Agriculture Faculty	International	2013

	of Agriculture Faculty) 1 (1): 95–100.			
3	Imran AS, Ahmed SS, Ahmed N, Shahwani MN, Yousafzai A, Afridi S, Mehmood Z, and Khan AG (2013). <i>In vitro</i> Hybridization of Tomato (<i>Solanum lycopersicum</i> L.). <i>J. App. Em. Sc.</i> 4(2): 94- 98.	Journal of Applied and Emerging Sciences	National	2013
4	Ahmed SS, Ahmed N., Sani I A., Naeem M., Saeed M., and Khan M. A., (2014). Construction of expression vector pVBG2307 by adding transcription initiation and termination elements. <i>J Applied and Emerging Sciences, BUIITEMS.</i>	Journal of Applied and Emerging Sciences	National	2014
5	Ahmed SS, HU Ahmed, IA Sani, N Ahmed, AG Khan, S Aziz, AR Reki, and A Rehman. (2016). Detection and amplification of E8 promoter in tomato plant and sequencing of the E8 gene.	Journal of Applied and Emerging Sciences	National	2016
6				
7	Ahmed N, Ahmed SS, F Rehman, M Naeem, M Saeed, I Ali (2016). Comparative Microarray Data Analysis of Arabidopsis Genome during Interaction with Mutualistic and Pathogenic Bacteria. <i>Int. J. Biosci.</i> 9(4), 281-291, October 2016.	International Journal of Biosciences	International	2016
8				
9	Irfan S, Rani S, Sani IA, Irfan H, Ahmed SS, Ahmed N, Shahwani MN, Yousafzai A, Ahmed U, Aziz S, Irshad MN and Fazal S (2016). Leaves and Flowers Insecticidal Activity Investigation of <i>Salvia officinalis</i> L. against <i>Sitophilus oryzae</i> L. <i>ÇOMÜ Ziraat Fakültesi Dergisi J. Agric. Fac.</i> 4(2): 105-108.	COMU Journal of Agriculture Faculty	International	2016
10	Sani IA, Ahmed SS, Zafar M, Ahmed N, Shahwai MN, Yousafzai A, Irfan S, Ahmed U, Aziz S, Khan AG, Irshad MN, Jhon D and Ibrar R (2016). Biological Control of Insect Pests Using <i>Trichogramma minutum</i> as Biological Control Agent in the Vicinity of (BUIITEMS). <i>COMU J. Agric. Fac.</i> 4(2): 95-103.	COMU Journal of Agriculture Faculty	International	2016
11	Tahir F, Ahmed SS, Ahmed N, Sani IA, Shahwani MN, Saeed M, Rashid M, Ahmed U (2017). Copper Resistant Bacteria at Coal Mines Sorrange Balochistan. <i>Int. J. Biosci.</i> 10(3), 288-296.	International Journal of Biosciences	International	2017
12	Characterization of micro flora from coal mines of baluchistan, pakistan T Tariq, MA Ateeq, MT Kiyani, N Ahmed, F Shahzad, M Yousaf, IA Sani , ...	IAJPS	International	2017

	Indo american journal of pharmaceutical sciences 4 (12), 4764-+			
13	Ahmed U, Khalid M, Zohra K, Ahmed SS, Imran AS , Nazeer A, Ashif S, Zahid M and Mohammad A (2017). Physiochemical Characteristics and Fatty Acid Composition of <i>Amygdalus spinosissima</i> Seed Oil from Balochistan. Indo Am. J. P. Sci: 9(4) 2255-2761.	IAJPS	International	2017
14	<u>An annotated list of the butterfly fauna of quetta, pakistan</u> S Noor, HA Ahmed, F Mengal, S Durrani, S Rasheed, F Abang, IA Sani Journal of Entomology Zoology Studies 6, 771-777	Journal of Entomology Zoology Studies Malaysia	International	2018
15	<u>Antagonistic/synergistic effects of entomopathogenic fungi beauveria bassiana and bacteria bacillus thuringiensis species against insect pests of rice</u> M Saqib, A Nawaz, IA Sani , S Zaman, M Jaffar, N Ahmed, S Aziz, ... INDO AMERICAN JOURNAL OF PHARMACEUTICAL SCIENCES 5 (7), 6519-6527	IAJPS	International	2018
16	Population dynamics of tribolium castaneum (herbst) in different abiotic conditions on stored fig ficus carica SZ Fazal, F Ahemd, IA Sani , S Aziz, M Sagheer, Shahzaman, M Jaffar, ... INDO AMERICAN JOURNAL OF PHARMACEUTICAL SCIENCES 5 (1), 151-160	IAJPS	International	2018
17	Plague: A zoonotic disease, wiping out many civilizations Haleema Sadia, Mah Rukh Qambarania Imran Ali Sani , Ayesha Alamb, Shahid Raza 2018 Published by IJRP.ORG. Selection and/or peer-review under responsibility of International Journal of Research Publications (IJRP.ORG)	IJRP	National	2018
18	<u>To investigate the prevalence & distribution of predatory insect, hierodula patellifera a prominent species of praying mantis (insecta: mantodea) in quetta and pishin districts ...</u> T ara, S kakar, S jaffar, A iqbal, a sumbal, IASani , n ahmed, d shahid indo american journal of pharmaceutical sciences 6 (2), 3591-3598	IAJPS	International	2019
19	Aziz S, Imran AS , Yue JL, Ahmed SS, Nazeer A, Nisar A, Dawood S & Sajid N (2019). Biological control of Insect Pests using <i>Trichogramma minutum</i> as Biological control agent against Thrips on Roses. IAJPB, 10(06): 12728-12734.	Indo American Journal of Pharmaceutical Sciences	International	2019

20	Abdullah R, SS Ahmed Rana, IA Baloch, N Ahmed, IA Sani , S Khan, D Shahid And S Leghari (2020). Molecular Characterization of <i>Amygdalus spinosissima</i> collected from The Juniper Ecosystem of Balochistan. FUUAST J.BIOL., 10(2): 109- 115.	FUUAST Journal of Biology	National	2020
21	Irfan S, Nazeer A, SS Ahmed Rana , IA Sani (2021). Characterization of the complete chloroplast genome sequence of <i>Juniperus polycarpus</i> K.Koch (Cupressaceae), from Ziarat, Pakistan. IJST-2021-151-R1.	Indian Journal of Science & Technology	International	2021
22	Shahid D, Nazeer A, SS Ahmed, Imran AS , Muhammad FS, Asif A, Shazia I, Sadullah L and Asif R (2021). Molecular Identification of Parasitic Mistletoe (<i>Arceuthobium oxycedri</i>) of Juniper Ecosystem From District Ziarat, Balochistan, PAKISTAN. FUUAST J. BIOL., 11(1): 9-16.	FUUAST Journal of Biology	National	2021
23	Comparison of Amplification Ability of Mat-K and RbcL DNA Barcodes in the Identification of Wild Grasses of the Quetta Ecosystem A Tabasum, SSA Rana, N Ahmed, IA Sani , D Shahid, S Irfan, ... PAKISTAN JOURNAL OF BIOCHEMISTRY AND MOLECULAR BIOLOGY 55 (3), 169-178	PAKISTAN JOURNAL OF BIOCHEMISTRY AND MOLECULAR BIOLOGY	National	2022
24	<u>Assessment of ground and surface water quality with respect to antibiotics and antibiotic resistant bacteria in rawalpindi, pakistan</u> r arshad, m ahmad, n iqbal, sali raza, m farhan, I ali sani ,	Journal of jilin university Engineering and Technology	International	2023

Books Authored & Co Authored/ Edited

No.	Name of book	Publisher	ISBN
1	Gene Cloning and Construction of Expression Vector	Scholar Press, Germany	9783639703870
2	Biodiversity of beetles Coleoptera-Adaphaga In Agro Forest area	Lambert Academic Publishing (LAP), Germany	978-3-659-49951-7
3	How to Know Insect and Their Orders?	LAP, Germany	978-3-659-52167-6
4	Seed production of Okra varieties as influenced by different NP levels	LAP, Germany	978-3-659-52045-7

Work Experience

No.	From (year)	To (year)	Name of the Institution/ Organization	Position held
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1	2001	2003	UAF, Faisalabad, Pakistan	MPhil Scholar
2	2005	2009	Agriculture Training Institute ,Agriculture Extensions and cooperative department Quetta	Lecturer /Instructor
3	2009	2012	Balochistan Agriculture College Quetta	Lecturer
4	2009	2012	Balochistan Agriculture College Quetta	Additional charge Deputy Registrar & Controller Examination
5	2013	Till date	(BUIITEMS), Quetta, Balochistan	Assistant Professor
6	2019	2019	(BUIITEMS), Quetta, Balochistan	Additional Charge (Director CPEC)
Area of specialization			Entomology / Plant Biotechnology / DNA Extraction of Plants, Insects, Animals / rDNA Technology	
Research Interest			Gene Cloning, Gene Transformation and Expression Analysis	
Future Research Plans			Role of Biotechnology in Precision Agriculture & Cropping Style	
Research grants / Projects			<ul style="list-style-type: none"> • 02 projects under ORIC of BUIITEMS with more than 0.2 million rupees have been completed successfully. • 01 project is completed as a Co-PI with more than 3.5 Million rupees with PSF, Pakistan. • 1 project is in progress under ICRG collaboration with British council and HEC 34 Million Rs.(in progress) 	
Project Presented			<ul style="list-style-type: none"> • Deforestation in Pakistan Combating through wireless sensor networks in University of Glasgow November 2022 	
Consultancy Services			<ul style="list-style-type: none"> • As Consultant / Team Member to successfully completed the task entitled “Establish / operationalize the tissue culture lab at ARI, Sariab, Quetta” in (2019-20) worth about 2.4 Million Rs. 	
NCRC (HEC), Membership			<ul style="list-style-type: none"> • NCRC (HEC) member of Entomology Curriculum 	
Membership in various Statuary Bodies of (BUIITEMS), Quetta, Pakistan			<ul style="list-style-type: none"> • Member of BOS (Board of Studies) of Biotechnology • Member of Assessment Team in the Directorate of Quality & Enhancement 	

	<ul style="list-style-type: none"> • Coordinator of Examination Committee, Biotechnology • Member of Proctorial Staff
Courses Taught at University level	<ul style="list-style-type: none"> • Plant Biotechnology • parasitology • Research Methodology • Ecology and Evolution • Evolution and Biodiversity • Fundamentals of Ecology • Applied Ecology • Dairy and Food biotechnology • Human Physiology I &II • Technical Writing and Presentation Skills, • Biodiversity of Animals
Workshops/Trainings/Seminars/Conferences/Webinars/Symposia	<ul style="list-style-type: none"> • Online International training program: Role of healthy Soil Plant interaction towards achieving resilient agriculture at MARDI, Malaysia during 21Feb to 3rd March 2022 • An online training Session onPreparing your research paper for publication:An IEEE perspective 23rd March 2023 • Publishing your research and innovation with IEEE: choices and procedure 20th April 2022 • Two day workshop on “Promoting Research Excellence in Academics across Pakistan” (1st and 2nd February, 2022) at Higher Education Commission, Pakistan, on Wednesday 02 February, 2022 • Deforestation in Pakistan Combating through wireless sensor networks in University of Glasgow November 2022 • Hands on training workshop on “Real Time PCR for Diagnosis and research”July 20, 2023 BUITEMS • 2 Day’s International Hybird Training Workshop on “Clinical diagnosis of mycotic diseases (CDMD)” 21-22 June 2023
Honors/Awards/Distinction	<ul style="list-style-type: none"> • Best Faculty Teacher (2017) • Won the Research Project Under ICRG/HEC
Sports	<ul style="list-style-type: none"> • winner trophy in the Intra University Bed competition (2014). • Martial Art Champion (Gold Medal)
Languages at various levels of Communication	<ul style="list-style-type: none"> • Urdu (Advance) • Punjabi (Advance) • English (Progressive) • Arabic (Beginner) • Pashto (Beginner)

Summary about Research Interest	
<p>As DNA extraction techniques continuously evolve, my research interest extends to exploring innovative cross-disciplinary approaches. By leveraging advancements in molecular biology, I aim to optimize and develop novel DNA extraction protocols that are efficient, cost-effective, and applicable across multiple organisms. These synergistic efforts not only enhance the accuracy of genetic analyses but also contribute to the broader scientific community's methodologies. Ultimately, my research interest in DNA extraction serves a broader purpose – contributing to the conservation and preservation of biodiversity and fragile ecosystems. Unravelling the genetic diversity of insects, plants, and animals can inform conservation strategies, aid in identifying endangered species, and monitor the impact of human activities on natural habitats.</p> <p>In conclusion, my research endeavours as a researcher focus on pushing the boundaries of DNA extraction techniques to illuminate the genetic intricacies of insects, plants, and animals. By leveraging genomic knowledge, I strive to make significant contributions to the fields of taxonomy, evolution, ecology, agriculture, conservation, and beyond, with the ultimate goal of promoting sustainable coexistence between humankind and the natural world.</p>	