

Sadaf Mumtaz

Professor

NUST School of Health Sciences

Email: sadaf.mumtaz@nshs.nust.edu.pk

Contact:



About

Dr. Sadaf Mumtaz is working as Professor in the NUST School of Health Sciences. Dr. Sadaf Mumtaz has a PhD in Physiology. Dr. Sadaf Mumtaz has published 26 research articles & conference papers having a citation count of 647, carried out 0 projects and filed 2 intellectual property.

Qualifications

MCPS in Health Professions Education College of Physicians and Surgeons Pakistan , Pakistan	2018 - 2022
Master in Physiology University of Liverpool , United Kingdom	2012 - 2013
PhD in Physiology University of Liverpool , United Kingdom	2006 - 2010
MBBS in Medicine, Surgery & Obstetrics University of the Punjab , Pakistan	1998 - 2002

Experience

Professor NUST School of Health Sciences	2024- Present
Professor NUST School of Health Sciences	2023 - 2024
Associate Dean Basic Sciences HITEC-IMS , Taxila	2022 - 2022
Professor & HOD Physiology HITEC-Institute of Medical Sciences , Taxila	2018 - 2023
Associate Professor Physiology HBS Medical & Dental College , Islamabad	2017 - 2018
Assistant Professor of Physiology Imam AbdulRahman Bin Faisal University, KSA , Dammam, KSA	2014 - 2017
Research Fellow University of Liverpool, UK , Brownlow Hill, L69 7ZX, Liverpool, UK	2012 - 2013
Assistant Professor Physiology Shifa College of Medicine, Islamabad , H-8, Islamabad	2010 - 2014
Senior instructor Physiology Shifa College of Medicine , H-8 Islamabad	2010 - 2010
PhD student University of Liverpool, UK , Foundation Building, 765 Brownlow Hill, Liverpool, L69 7ZX United Kingdom	2006 - 2010
Instructor Physiology Shifa College of Medicine , H-8, Islamabad	2005 - 2006

Research Articles

Cardiac Arrhythmia Classification Using Advanced Deep Learning Techniques on Digitized ECG Datasets <i>Shoaib Sattar Rafia Mumtaz Mamoon Qadir Sadaf Mumtaz Muhammad Ajmal Khan Timo De Waele Eli De Poorter Ingrid Moerman Adnan Shahid</i>	2024
--	------

<i>Sensors</i> , Volume 24(8), Article Number 2484	
Impact Factor: 3.900 Quartile: 2 Citations: 12	
DOI: https://doi.org/10.3390/s24082484	
Evaluating Critical Appraisal Skills by Introducing Journal Clubs to Preclinical Dental Students Using the Assessing Competency in Evidence-Based Medicine (ACE) Tool Through Pre and Post-testing	2022
<i>Sadaf Mumtaz Sohail Sabir</i>	
<i>Cureus Journal of Medical Science</i> , Volume 14(11), Article Number e31535	
Impact Factor: 1.2 (ESCI)	
DOI: 10.7759/cureus.31535	
Association of Sleep, Body Weight and Physical Exercise with Plasma BDNF Levels in Healthy Male Saudi Smokers	2022
<i>Arwa Al-Mshari Mona Hmoud AlSheikh Rabia Latif Sadaf Mumtaz Waleed Albaker Mohammed Al-Hariri</i>	
<i>International Journal of General Medicine</i> , Volume 15, Pages 6603-6610	
Impact Factor: 2.3 Quartile: 3 Citations: 4	
DOI: 10.2147/IJGM.S377744	
A review of enabling technologies for Internet of Medical Things (IoMT) Ecosystem	2022
<i>Zarlish Ashfaq Abdur Rafay Rafia Mumtaz Syed Mohammad Hassan Zaidi Hadia Saleem Syed Ali Raza Zaidi Sadaf Mumtaz Ayesha Haque</i>	
<i>Ain Shams Engineering Journal</i> , Volume 13, Issue 4, Article Number 101660	
Impact Factor: 3.180 Quartile: 2 Citations: 113	
DOI: https://doi.org/10.1016/j.asej.2021.101660	
Bacterial Prediction using Internet of Things (IoT) and Machine Learning	2022
<i>Hamza Khurshid Rafia Mumtaz Noor Alvi Ayesha Haque Sadaf Mumtaz Faisal Shafait Sheraz Ahmad Muhammad Imran Malik Andreas Dengel</i>	
<i>Environmental Monitoring and Assessment</i> , Volume 194, Article Number 133	
Impact Factor: 2.513 Quartile: 3 Citations: 17	
DOI: https://doi.org/10.1007/s10661-021-09698-4	
Embedded AI-Based Digi-Healthcare	2022
<i>Zarlish Ashfaq Rafia Mumtaz Abdur Rafay Syed Mohammad Hassan Zaidi Hadia Saleem Sadaf Mumtaz Adnan Shahid Eli De Poorter Ingrid Moerman</i>	
<i>Applied Sciences</i> , Volume 12, Issue 1, Article Number 519	
Impact Factor: 2.9 Quartile: 2 Citations: 34	
DOI: 10.3390/app12010519	
Assessment of Knowledge, Perceptions and Perceived Risk Concerning COVID-19 in Pakistan	2021
<i>Ayesha Haque Sadaf Mumtaz Rafia Mumtaz Farheen Masood Hudebia Allah Buksh Amal Ahmed Osama Khattak</i>	
<i>Journal of Epidemiology and Global Health</i> , Volume 11(2), Pages 186–193	
Impact Factor: 5.959 Quartile: 1 Citations: 7	
DOI: https://dx.doi.org/10.2991/jegh.k.210109.001	
Effects of turmeric on cardiovascular risk factors, mental health, and serum homocysteine in overweight, obese females	2021
<i>Rabia Latif Sadaf Mumtaz Mona Hmoud Al Sheikh Shahanas Chathoth Shaykhah Nasser Al Naimi</i>	
<i>Alternative Therapies in Health and Medicine</i> , Volume 27, No. S1, Pages 114-119	
Impact Factor: 1.804 Quartile: 4	
DOI: PMID: 32088675	
Internet of Things (IoT) Based Indoor Air Quality Sensing and Predictive Analytic-A COVID-19 Perspective	2021
<i>Rafia Mumtaz Syed Mohammad Hassan Zaidi Muhammad Zeeshan Shakir Uferah Shafi Muhammad Moez Malik Ayesha Haque Sadaf Mumtaz Syed Ali Raza Zaidi</i>	
<i>Electronics</i> , Volume 10(2), Article Number 184	
Impact Factor: 2.690 Quartile: 3 Citations: 85	
DOI: https://doi.org/10.3390/electronics10020184	
Comparing the preventive behaviour of medical students and physicians in the era of COVID19; novel medical problems demand novel-curricular interventions	2020
<i>Ayesha Haque Sadaf Mumtaz Osama Khattak Rafia Mumtaz Amal Ahmed</i>	
<i>Biochemistry and Molecular Biology Education</i> , Pages 1-9	
Impact Factor: 1.160 Quartile: 4 Citations: 21	
DOI: 10.1002/bmb.21406	
Water Quality Monitoring: From Conventional to Emerging Technologies	2020

<p>Umair Ahmed Rafia Mumtaz Hirra Anwar Sadaf Mumtaz Ali Mustafa Qamar</p> <p>Water Supply , Vol. 20 , No. 1, Pages 28-45</p> <p>Impact Factor: 1.275 Quartile: 4 Citations: 92</p> <p>DOI: 10.2166/ws.2019.144</p>	
<p>Association of RETN C-420G single nucleotide polymorphism with type 2 diabetes mellitus in Pakistani Punjabi Rajput population</p> <p>Amina Nadeem Sadaf Mumtaz Wasif Saif Abdul Khaliq Naveed Muhammad Aslam Qaiser Mansoor Arif Siddiqui Muhammad Ismail</p> <p>Journal of the Pakistan Medical Association, Volume 68(11), Pages 1584-1589</p> <p>Impact Factor: 0.642 Quartile: 4</p> <p>DOI: PMID: 30410133</p>	2018
<p>A Comparison of Debate and Role Play in Enhancing Critical Thinking and Communication Skills of Medical Students During Problem Based Learning</p> <p>Rabia Latif Sadaf Mumtaz Rafia Mumtaz Aamir Hussain</p> <p>Biochemistry and Molecular Biology Education, Volume 46, Issue 04, Pages 336-342</p> <p>Impact Factor: 0.947 Quartile: 4 Citations: 50</p> <p>DOI: https://doi.org/10.1002/bmb.21124</p>	2018
<p>Automatic detection of retinal hemorrhages by exploiting image processing techniques for screening retinal diseases in diabetic patients</p> <p>Rafia Mumtaz Muddasser Hussain Saba Sarwar Komal Khan Sadaf Mumtaz Mustafa Mumtaz</p> <p>International Journal of Diabetes in Developing Countries, Vol: 38, Pages:80-87</p> <p>Impact Factor: 0.585 Quartile: 4 Citations: 37</p> <p>DOI: 10.1007/s13410-017-0561-6</p>	2018
<p>Association of ADIPOQ C-11377G (rs266729), TNF-α G-308A (rs1800629) and TNF-α G-238A (rs361525) single nucleotide polymorphisms with type 2 diabetes mellitus in Pakistani population.</p> <p>Amina Nadeem Sadaf Mumtaz Abdul Khaliq Naveed Qaisar Mansoor Muhammad Aslam Muhammad Ismail</p> <p>Journal of the College of Physicians and Surgeons Pakistan, Volume 27(10), Pages 625-630</p> <p>Impact Factor: 0.439 Quartile: 4</p> <p>DOI: PMID: 29056124</p>	2017
<p>Learning through debate during problem based learning; An active learning strategy</p> <p>Sadaf Mumtaz Rabia Latif</p> <p>Advances in Physiology Education, Volume 41, Issue 3, Pages 390-394</p> <p>Impact Factor: 1.981 Quartile: 2 Citations: 50</p> <p>DOI: doi: 10.1152/advan.00157.2016</p>	2017
<p>Association of IL-6 C-174G (rs1800795) single nucleotide polymorphism with type 2 diabetes mellitus in Pakistani population</p> <p>Amina Nadeem Sadaf Mumtaz Abdul-Khaliq Naveed Qaiser Mansoor Muhammad Aslam Arif Siddiqui Muhammad Ismail</p> <p>Journal of the Pakistan Medical Association, Volume 67(3), Pages 428-433</p> <p>Impact Factor: 0.723 Quartile: 4</p> <p>DOI: PMID: 28303994</p>	2017
<p>Role-play as a learning modality in Pakistan</p> <p>Sadaf Mumtaz Tatheer Zahra</p> <p>Clinical Teacher, Volume 13, Issue 2, Pages 124-129</p> <p>Impact Factor: 0 Citations: 9</p> <p>DOI: https://doi.org/10.1111/tct.12406</p>	2016
<p>Pattern of dyslipidemia and impact of increasing age and duration of type 2 diabetes mellitus on dyslipidemia, insulin levels and insulin resistance</p> <p>Amina Nadeem Sadaf Mumtaz Abdul Khaliq Naveed Muhammad Aslam Arif Siddiqui Ghulam Mustafa Lodhi</p> <p>The Journal of the Pakistan Medical Association, Volume 65, No. 9, Pages 928-932</p> <p>Impact Factor: 0.488 Quartile: 4</p> <p>DOI: PMID: 26338734</p>	2015
<p>Inhibitory effect of visfatin and leptin on human and rat myometrial contractility</p> <p>Sadaf Mumtaz Seham AlSaif Susan Wray Karen Noble</p> <p>Life Sciences, Volume 125, Pages 57-62</p> <p>Impact Factor: 2.685 Quartile: 2 Citations: 47</p> <p>DOI: 10.1016/j.lfs.2015.01.020</p>	2015

Spatial and temporal characteristics of Ca2+ signalling in endothelial cells of intact rat tail artery <i>Sadaf Mumtaz</i> <i>Artery Research</i> , Volume 7, Issue 2, Pages 84-92 Impact Factor: N/A Citations: 2 DOI: 10.1016/j.artres.2013.03.002	2013
Morphological analysis of rat ureteric terminal arterioles in situ <i>Sadaf Mumtaz</i> <i>Journal of Morphology</i> , Volume 274, Issue 6, Pages 704-712 Impact Factor: 1.553 Quartile: 2 Citations: 1 DOI: 10.1002/jmor.20135	2013
Prevalence of risk factors of ischemic stroke in local Pakistani population. High density lipoproteins-an emerging risk factor <i>Zeeshan Basharat Sadaf Mumtaz Farah Rashid Sanah Rashid Sumaiya A. Mallam Asghar Diljan Neil Iftikhar-Maken Safa Zafar Irum Rehman</i> <i>Neurosciences</i> , Volume 17, No. 4, Pages 357-362 Impact Factor: 0.317 Quartile: 4 DOI: https://pubmed.ncbi.nlm.nih.gov/23022901/	2012
The mechanism of agonist induced Ca2+ signalling in intact endothelial cells studied confocally in in situ arteries <i>Sadaf Mumtaz G. Burdyga L. Borisova Susan Wray T. Burdyga</i> <i>Cell Calcium</i> , Volume 49, Issue 1, Pages 66-77 Impact Factor: 3.513 Quartile: 2 Citations: 28 DOI: 10.1016/j.ceca.2010.11.010	2011

Intellectual Property

Copyrights

Telecardio An ECG Visualization and Annotation Tool for Training Deep Learning Models Status: Filed	2024
--	------

Patents

Industrial Designs

Telecardio Status: Filed	2024
---	------

Trademarks