Nasar Um Minullah

Assistant Professor

Atta-Ur-Rahman School of Applied Biosciences

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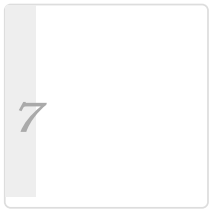

About

Dr. Nasar Um Minullah is working as Assistant Professor in the Atta-Ur-Rahman School of Applied Biosciences. Dr. Nasar Um Minullah has a PhD in Plant Immune Systems. Dr. Nasar Um Minullah has published 25 research articles & conference papers having a citation count of 708, carried out 4 projects and filed 0 intellectual property.

Qualifications

PhD in Plant Immune Systems 2007 - 2011
Zhejiang University , China

Experience

Assistant Professor 2024- Present
Atta-Ur-Rahman School of Applied Biosciences

Assistant Professor 2019 - 2019
Atta-Ur-Rahman School of Applied Biosciences

Assistant Professor 2016 - 2019
Atta-Ur-Rahman School of Applied Biosciences

Assistant Professor 2013 - 2011
Atta-Ur-Rahman School of Applied Biosciences

Assistant Professor 2012 - 2013
Atta-Ur-Rahman School of Applied Biosciences

Assistant Professor 2011 - 2016
Atta-Ur-Rahman School of Applied Biosciences

- Present

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Research Projects

National Projects

Identification and transcriptional profiling of Arabidopsis thaliana and Tomato Mitogen Activated Protein Kinases against biotic and abiotic stress 2012

Funding Agency: HEC
Amount: PKR 500,000.00
Status: Completed

Identification of mycoviral infections in various pathogenic Aspergillus species found in Pakistan 2012

Funding Agency: HEC
Amount: PKR 500,000.00
Status: Completed

Identification and characterization of mycoviruses invading Botrytis species to exploit their potential as a biocontrol agent 2016

Funding Agency: HEC
Amount: PKR 5,900,000.00
Status: Completed

Identification and Characterization of Micro viruses Invading Botrytis Species to Exploit Their Potential as Biocontrol agent 2016

Funding Agency: HEC
Amount: PKR 12,000,000.00
Status: Approved_inprocess

International Projects

Research Articles

Characterization of two novel fusariviruses co-infecting a single isolate of phytopathogenic fungus Botrytis cinerea 2024

Aqeel Ahmed Haris Ahmed Khan Atif Jamal Nasar Um Minullah MUHAMMAD FARAZ BHATTI
Virus Genes, Volume:60, Issue:4, Page:402-411
Impact Factor: 1.900 | **Quartile:** 3
DOI: https://doi.org/10.1007/s11262-024-02073-8

The presence of mycoviral infection attenuates the growth and pathogenicity of the phytopathogenic fungus Botrytis cinerea collected from strawberry felds in Pakistan 2023

Aqeel Ahmed Haris Ahmed Khan Atif Jamal Danish Ilyas Baig Tehsin Fatma Nasar Um Minullah Muhammad Faraz Bhatti
European Journal of Plant Pathology, Pages 1-11
Impact Factor: 2.224 | **Quartile:** 2 | **Citations:** 2
DOI: https://doi. org/10.1007/s10658-023-02689-w

Functional annotation and comparative analysis of four Botrytis cinerea mitogenomes reported from Punjab, Pakistan 2023

Tehsin Fatma Haris Ahmed Khan Aqeel Ahmed Fazal Adnan Zeshan Nasar Um Minullah Muhammad Faraz Bhatti
Saudi Journal of Biological Sciences, Volume 30, Issue 4, Article Number 103605
Impact Factor: 4.052 | **Quartile:** 2 | **Citations:** 2
DOI: https://doi.org/10.1016/j.sjbs.2023.103605

Assessment of mycoviral diversity in Pakistani fungal isolates revealed infection by 11 novel viruses of a single strain of Fusarium mangiferae isolate SP1 2021

Haris Ahmed Khan Wajeeha Shamsi Atif Jamal Memoona Javaied Mashal Sadiq Tehsin fatma Aqeel Ahmed Maleeha Arshad Mubashra Waseem Samra Babar Midhat Mustafa Dogar Nasar Virk Hussnain Ahmed Janjua Nobuhiro Suzuki Hideki Kondo Muhammad Faraz Bhatti
Journal of General Virology, Volume 102(12), Article Number 001690
Impact Factor: 3.891 | **Quartile:** 2 | **Citations:** 13
DOI: https://doi.org/10.1099/jgv.0.001690

The Route to 'Chemobrain' - Computational probing of neuronal LTP pathway 2019

Ammad Fahim Muhammad Faraz Bhatti Nasar um Minullah Virk Rehan Zafar Paracha Zaira Rehman Amjad Ali Amir Rashid
Nature Scientific Reports, Volume 9, Article Number 9630
Impact Factor: 4.011 | **Quartile:** 1 | **Citations:** 7
DOI: 10.1038/s41598-019-45883-9

Characterization of Recombinant Poliovirus 2A Protease; A Potential Anti-Viral Drug Target 2018

Amna Younus Muhammad Faraz Bhatti Nasar Virk Muhammad Arshad Hussnain Janjua Robert Coutts

Characterization of Recombinant Poliovirus 2A Protease; A Potential Anti-Viral Drug Target, 2018110550

Impact Factor: -

DOI: 10.20944/preprints201811.0550.v1

Homology Modeling of CTR1 Protein Kinase Domain in Solanaceae Species for Identification of Salient Features in terms of Structure and Function, and Interaction Analysis with Lipids 2018

Muhammad Faraz Bhatti Hira Iftikhar Nasar Virk

Current Proteomics , -

Impact Factor: 0.768 | **Quartile:** 4

DOI: 10.2174/1570164615666180723145810

Structural insights and characterization of human Npas4 protein 2018

Ammad Fahim Zaira Rehman Muhammad Faraz Bhatti Rehan Zafar Paracha Amjad Ali Nasar Virk Amir Rashid

PeerJ , NULL

Impact Factor: 2.358 | **Quartile:** 2 | **Citations:** 5

DOI: 10.7717/peerj.4978

Structure-Function Mutational Analysis and Prediction of the Potential Impact of High Risk Non-Synonymous Single-Nucleotide Polymorphism on Poliovirus 2A Protease Stability Using Comprehensive Informatics Approaches 2018

Amna Younus Saba Munawar Muhammad Faraz Bhatti Aqsa Ikram Faryal Mehwish Awan Ishrat Jabeen Nasar Um Minullah Hussnain Ahmed Janjua Muhammad Arshad

Genes , Volume 9(5), Article Number 228

Impact Factor: 3.331 | **Quartile:** 2 | **Citations:** 1

DOI: 10.3390/genes9050228

Data on rhizosphere pH, phosphorus uptake and wheat growth responses upon TiO2 nanoparticles application 2018

Rafia Rafique Zahra Zahra Nasar Virk Muhammad Shahid Muhammad Arshad Eric Pinelli Jean Kallerkoff Tae Jung Park

Data in Brief, NULL

Impact Factor: 0 | **Citations:** 97

DOI: 10.1016/j.agee.2017.12.010

Dose-dependent physiological responses of Triticum aestivum L. to soil applied TiO2 nanoparticles: Alterations in chlorophyll content, H2O2 production, and genotoxicity 2018

Rafia Rafique Zahra Zahra Nasar Virk Muhammad Shahid Eric Pinelli Tae Jung Park Jean Kallerhoff Muhammad Arshad

Agriculture, Ecosystems and Environment, Volume 255, Pages 95-101

Impact Factor: 3.954 | **Quartile:** 1 | **Citations:** 95

DOI: 10.1016/j.agee.2017.12.010

The mycovirus database an e-bank for mycoviral genomes 2018

Wajeeha Shamsi Atif Jamal Nasir Virk Muhammad Faraz Bhatti

International Journal of Latest Trends in Engineering and Technology, Special Issue ICRMR-2018, Vol 12, Issue 6, Page 007-011

Impact Factor: 0

DOI: 10.21172/1.126.02

Genome-wide analysis of wheat calcium ATPases and potential role of selected ACAs and ECAs in calcium stress 2017

Muhammad Faraz Bhatti Roohi Aslam Lorraine E. Williams Nasar Virk

BMC Plant Biology, Volume 17, Article Number 174

Impact Factor: 3.930 | **Quartile:** 1 | **Citations:** 19

DOI: 10.1186/s12870-017-1112-5

In silico analysis reveals widespread presence of three gene families, MAPK, MAPKK and MAPKKK, of the MAPK cascade from crop plants of Solanaceae in comparison to the distantly-related syntenic species from Rubiaceae, coffee. 2017

Hira Iftikhar Nayab Naveed Nasar Virk Muhammad Faraz Bhatt Fengming Song

PeerJ , Volume: 5

Impact Factor: 2.118 | **Quartile:** 2 | **Citations:** 15

DOI: 10.7717/peerj.3255

Protein Structure Modelling, Ligand Docking and Active Site Analysis of Mutated Poliovirus 2a Protease Gene Isolated From the Blood of Pakistani Polio Infected Patients 2016

Amna Younus Muhammad Faraz Bhatti Tahir Ahmed Nasar Um Minullah Muhammad Arshad Hussnain Ahmed Janjua

International Journal of Advances in Science Engineering and Technology, Vol-4, Iss-3, Spl. Issue-2

Impact Factor: -

DOI: http://iraj.in/journal/IJASEAT/volume.php?volume_id=291

IN SILICO ANALYSIS REVEALS MULTIPLE GENES OF MAPK, MAPKK AND MAPKKK GENE FAMILIES OF THE MAPK CASCADE IN NICOTIANA TABACUM 2016

HIRA IFTIKHAR NASAR VIRK XIAOFEI CHENG MUHAMMAD F. BHATTI

International Journal of Advances in Science Engineering and Technology, Vol-4, Iss-3, Spl. Issue-2

Impact Factor: 0

DOI: http://www.iraj.in/journal/journal_file/journal_pdf/6-291-147711998742-47.pdf

Arabidopsis Raf-Like Mitogen-Activated Protein Kinase Kinase Kinase Gene Raf43 Is Required for Tolerance to Multiple Abiotic Stresses 2015

Nasar Virk Dayong Li Limei Tian Lei Huang Yongbo Hong Xiaohui Li Yafen Zhang Bo Liu Fengming Song Huijuan Zhang

PLoS ONE, Volume 10, Issue 7, Article Number e0133975

Impact Factor: 3.057 | **Quartile:** 1 | **Citations:** 34

DOI: 10.1371/journal.pone.0133975

Growth Response of Wheat to Titania Nanoparticles Application 2014

R. Rafique M. Arshad M. F. Khokhar I. A. Qazi A. Hamza N. Virk

NUST Journal of Eneering Sciences, Volume 7, No.1, Pages 42-46

Impact Factor: 0

DOI: -

CpG Usage in RNA Viruses: Data and Hypotheses 2013

Xiaofei Cheng Nasar Virk Wei Chen Shuqin Ji Shuxian Ji Yuqiang Sun Xiaoyun Wu

PLoS ONE, Volume 8 Issue 9 Article Number e74109

Impact Factor: 3.534 | **Quartile:** 1 | **Citations:** 94

DOI: 10.1371/journal.pone.0074109

Tomato SlMPK4 is required for resistance against Botrytis cinerea and tolerance to drought stress 2013

Nasar Um Minullah Bo Liu Huijuan Zhang Xiaohui Li Yafen Zhang Dayong Li Fengming Song

Acta Physiologiae Plantarum, Volume 35, Issue 4, Pages 1211-1221

Impact Factor: 1.524 | **Quartile:** 2 | **Citations:** 28

DOI: 10.1007/s11738-012-1160-2

Arabidopsis poly(ADP-ribose) glycohydrolase 1 is required for drought, osmotic and oxidative stress responses 2011

Guojun Li Yuxia Yang Wei Li Bo Liu Lijun Sun Dayong Li Fengming Song Guojun Li Virk Nasar Yuxia Yang Wei Li Bo Liu Lijun Sun Dayong Li Fengming Song

Plant Science, Volume 180, Issue 2, Pages 283-291

Impact Factor: 2.945 | **Quartile:** 1 | **Citations:** 20

DOI: 10.1016/j.plantsci.2010.09.002

Arabidopsis DAL1 and DAL2, two RING finger proteins homologous to Drosophila DIAP1, are involved in regulation of programmed cell death 2011

B. M. Vindhya S. Basnayake Dayong Li Huijuan Zhang Guojun Li Fengming Song B. M. Vindhya S. Basnayake Dayong Li Huijuan Zhang Guojun Li Nasar Virk Fengming Song

Plant Cell Reports, Volume: 30 Issue: 1 Pages: 37-48

Impact Factor: 2.274 | **Quartile:** 2 | **Citations:** 24

DOI: 10.1007/s00299-010-0941-6

The Arabidopsis ATAF1, a NAC Transcription Factor, Is a Negative Regulator of Defense Responses Against Necrotrophic Fungal and Bacterial Pathogens 2009

Xiao'e Wang B. M. Vindhya S. Basnayake Huijuan Zhang Guojun Li Wei Li Nasar Virk Tesfaye Mengiste Fengming Song

Molecular Plant-Microbe Interactions, Volume 22, Issue 10, Pages 1227-1238

Impact Factor: 4.407 | **Quartile:** 1 | **Citations:** 212

DOI: 10.1094/MPMI-22-10-1227

Conference Proceedings

STRUCTURAL CHARACTERIZATION OF NPAS4-ARNT DIMERIZATION THROUGH COMPUTATIONAL SIMULATION 2019

Ammad Fahim Zaira Rehman Muhammad Faraz Bhatti Nasar Virk Rehan Zafar Paracha

Proceeding of the International Conference on Bioscience and Biotechnology, res.country(157,)

Citations: N/A

DOI: 10.17501/25132695.2019.4102

Book Chapters

Phytoextraction: The use of plants to remove heavy metals from soils 2016

Zoya Ghori Hira Iftikhar Muhammad Faraz Bhatti Nasar Um Minullah Iti Sharma Alvina Gul Parvaiz Ahmad

In: *Book on Plant-Metal Interaction: Emerging Remediation Techniques*, Chapter 15, Pages Pages 385-409

Citations: 40

DOI: https://doi.org/10.1016/B978-0-12-803158-2.00015-1