

## Saadia Andleeb

Professor

Atta-Ur-Rahman School of Applied Biosciences

**Email:** saadia.andleeb@asab.nust.edu.pk

**Contact:** 0518741232

**LinkedIn:**



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## About

Dr. Saadia Andleeb is working as Professor in the Atta-Ur-Rahman School of Applied Biosciences. Dr. Saadia Andleeb has a PhD in Microbiology. Dr. Saadia Andleeb has published 90 research articles & conference papers having a citation count of 3413, carried out 5 projects and filed 0 intellectual property.

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## Qualifications

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|------------------------------------------------------------------|-------------|
| <b>PhD in Microbiology</b><br>Quaid-i-Azam University , Pakistan | 2006 - 2010 |
| <b>MS in Botany</b><br>University of Peshawar , Pakistan         | 2000 - 2002 |
| <b>BSc in Zoology</b><br>University of the Punjab , Pakistan     | 1998 - 2000 |

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## Experience

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|----------------------------------------------------------------------------|---------------|
| <b>Professor</b><br>Atta-Ur-Rahman School of Applied Biosciences           | 2021- Present |
| <b>Associate Professor</b><br>Atta-Ur-Rahman School of Applied Biosciences | 2016 - 2021   |
| <b>Assistant Professor</b><br>Atta-Ur-Rahman School of Applied Biosciences | 2013 - 2016   |
| <b>Assistant Professor</b><br>Atta-Ur-Rahman School of Applied Biosciences | 2011 - 2013   |
| <b>Assistant Professor</b><br>Atta-Ur-Rahman School of Applied Biosciences | 2010 - 2011   |
| <b>Associate Professor</b><br>ASAB , NUST                                  | 2010 - 2022   |

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## Awards

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|----------------------------------------------------------------------------------------------|------|
| <b>best researcher award</b><br>Best researcher for the year 2014-2015                       | 2015 |
| <b>first position</b><br>First position in the conference AWTR 2009                          | 2009 |
| <b>Indigenous scholarship</b><br>Indigenous scholarship for PhD                              | 2004 |
| <b>Research productivity(RPA)</b><br>Government of Pakistan PCST RPA Award for the year 2016 |      |

Research Projects

National Projects

|                                                                                                                                                                                                                                          |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| <b>Multidrug Resistent Pathogen Survelliance in Pakistnai and U.S Hospitals</b><br><b>Funding Agency:</b> PAK-US<br><b>Amount:</b> PKR 15,000,000.00<br><b>Status:</b> Completed                                                         | 2015 |
| <b>The world academy of sciences</b><br><b>Funding Agency:</b> UNESCO<br><b>Amount:</b> PKR 1,236,865.00<br><b>Status:</b> Approved_inprocess                                                                                            | 2018 |
| <b>Multidrug-resistant pathogen surveillance in Pakistani and U.S. hospitals (Pak-US, HEC-US National Academy of Sciences)</b><br><b>Funding Agency:</b> Pak/US<br><b>Amount:</b> PKR 10,445,000.00<br><b>Status:</b> Approved_inprocess | 2015 |
| <b>Development of Vibriophages Cocktails and its Testing in Animal Models</b><br><b>Funding Agency:</b> HEC<br><b>Amount:</b> PKR 1,492,904.00<br><b>Status:</b> Approved_inprocess                                                      | 2016 |
| <b>Silencing of the Antibiotic Resistant Gene MecA in Staphylococcus Aureus by a Synthesis sRNA</b><br><b>Funding Agency:</b> HEC<br><b>Amount:</b> PKR 500,000.00<br><b>Status:</b> Completed                                           | 2016 |

International Projects

Research Articles

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |
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| <b>The TyphiNET data visualisation dashboard: unlocking Salmonella Typhi genomics data to support public health</b><br><i>Zoe A. Dyson Louise Cerdeira Vandana Sharma Megan E. Carey Kathryn E. Holt Saadia Andleeb Jackie Wright</i><br><i>Genome Medicine</i> , Volume:17, Issue:1, Article Number: 51<br><b>Impact Factor:</b> 11.200   <b>Quartile:</b> 1<br><b>DOI:</b> 10.1186/s13073-025-01470-4                                                                                                                                                  | 2025 |
| <b>Nature-inspired designing of KLR- and KLS-rich antimicrobial peptides: unleashing the antibiofilm potential of RbP12 against MDR S. aureus and P. aeruginosa</b><br><i>Zeeshan Yaseen Saiqa Aslam Sidra Rahmat Ullah Abdur Rahman Muhammad Bilal Khan Niazi Saadia Andleeb</i><br><i>Journal of Antimicrobial Chemotherapy</i> , Volume:80, Issue:5, Page:1331-1341<br><b>Impact Factor:</b> 3.600   <b>Quartile:</b> 2<br><b>DOI:</b> <a href="https://doi.org/10.1093/jac/dkaf079">https://doi.org/10.1093/jac/dkaf079</a>                          | 2025 |
| <b>Study of shape of zinc oxide nanoparticles on the in-vitro and in-vivo performance of polymeric hydrogels for wound dressing</b><br><i>Hizbullah Malik Fatima Amir Zaib Jahan Usman Liaqat Saadia Andleeb Sulalit Bandyopadhyay Muhammad Bilal Khan Niazi</i><br><i>International Journal of Pharmaceutics</i> , Volume:674, Article Number 125482<br><b>Impact Factor:</b> 5.200   <b>Quartile:</b> 1   <b>Citations:</b> 1<br><b>DOI:</b> <a href="https://doi.org/10.1016/j.ijpharm.2025.125482">https://doi.org/10.1016/j.ijpharm.2025.125482</a> | 2025 |
| <b>Exploring the resistome, virulome, and mobilome of multidrug-resistant Klebsiella pneumoniae isolates: deciphering the molecular basis of carbapenem resistance</b><br><i>Sidra Rahmatullah Dr Abdur Rahman Sidra Irum Iqra Mahnoor Humaira Ismatullah Mariam Mumtaz Saadia Andleeb Muhsin Jamal</i><br><i>BMC Genomics</i> , Vol:25, Article number: 408, Pages: 22<br><b>Impact Factor:</b> 3.5   <b>Quartile:</b> 2   <b>Citations:</b> 7<br><b>DOI:</b> 10.1186/s12864-024-10139-y                                                                | 2024 |
| <b>Development and characterization of SA/PEG hydrogel membranes with Ag/ZnO nanoparticles for enhanced wound dressing</b><br><i>Sohail Zafar Gill Muhammad Bilal Khan Niazi Umar Shahzad Malik Zaib Jahan Saadia Andleeb Tahir Ahmed</i><br><i>Materials Chemistry and Physics</i> , Volume 317, Article Number 129170<br><b>Impact Factor:</b> 4.300   <b>Quartile:</b> 2   <b>Citations:</b> 10                                                                                                                                                       | 2024 |

**A multifunctional vanillin-infused chitosan-PVA hydrogel reinforced by nanocellulose and CuO-Ag nanoparticles as antibacterial wound dressing**

2024

Fatima Amir Dr Bilal Khan Niazi Umer shahzad Malik Zaib Jahan Saadia Andleeb Tahir Ahmed Zartasha Mustansar  
*International Journal of Biological Macromolecules*, Volume:258, Article Number: 128831

**Impact Factor:** 8.2 | **Quartile:** 1 | **Citations:** 22

**DOI:** 10.1016/j.ijbiomac.2023.128831

**Characterization of exclusively non-commensal *Neisseria gonorrhoeae* pangenome to prioritize globally conserved and thermodynamically stable vaccine candidates using immune-molecular dynamic simulations**

2023

Iqra Mahnoor Hamna Shabbir Shabana Nawaz Kinza Aziz Ubair Aziz Kashaf khalid Sidra Irum Saadia Andleeb  
*Microbial Pathogenesis*, Volume 185, Article Number 106439

**Impact Factor:** 3.8 | **Quartile:** 2

**DOI:** 10.1016/j.micpath.2023.106439

**Global diversity and antimicrobial resistance of typhoid fever pathogens: Insights from a meta-analysis of 13,000 *Salmonella* Typhi genomes**

2023

Megan E Carey Zoe A Dyson Danielle J Ingle Afreenish Amir Mabel K Aworh Marie Anne Chattaway Ka Lip Chew John A Crump Nicholas A Feasey Benjamin P Howden Benjamin P Howden Karen H Keddy Mailis Maes Christopher M Parry Sandra Van Puyvelde Hattie E Webb Ayorinde Oluwatobiloba Afolayan Anna P Alexander Shalini Anandan Jason R Andrews Philip M Ashton Buddha Basnyat Ashish Bavdekar Isaac I Bogoch John D Clemens Kesia Esther da Silva Anuradha De Joep de Ligt Paula Lucia Diaz Guevara Christiane Dolecek Shanta Dutta Marthie M Ehlers Louise Francois Watkins Denise O Garrett Gauri Godbole Melita A Gordon Andrew R Greenhill Chelsey Griffin Madhu Gupta Rene S Hendriksen Robert S Heyderman Yogesh Hooda Juan Carlos Hormazabal Odion O Ikimiukor Junaid Iqbal Jobin John Jacob Claire Jenkins Dasaratha Ramaiah Jinka Jacob John Gagandeep Kang Abdoulie Kanteh Arti Kapil Abhilasha Karkey Samuel Kariuki Robert A Kingsley Roshine Mary Koshy AC Lauer Myron M Levine Ravikumar Kadamalli Lingegowda Stephen P Luby Grant Austin Mackenzie Tapfumanei Mashe Chisomo Msefula Ankur Mutreja Geetha Nagaraj Savitha Nagaraj Satheesh Nair Take K Naseri Susana Nimarota-Brown Elisabeth Njamkepo Iruka N Okeke Sulochana Putli Bai Perumal Andrew J Pollard Agila Kumari Pragasaam Firdausi Qadri Farah N Qamar Sadia Isfat Ara Rahman Savitra Devi Rambocus David A Rasko Pallab Ray Roy Robins-Browne Temsunaro Rongsen-Chandola Jean Pierre Rutanga Samir K Saha Senjuti Saha Karnika Saigal Mohammad Saiful Islam Sajib Jessica C Seidman Jivan Shakya Varun Shamanna Jayanthi Shastri Rajeev Shrestha Sonia Sia Michael J Sikorski Ashita Singh Anthony M Smith Kaitlin A Tagg Dipesh Tamrakar Arif Mohammed Tanmoy Maria Thomas Mathew S Thomas Robert Thomsen Nicholas R Thomson Siao Si Tupua Krista Vaidya Mary Valcanis Balaji Veeraraghavan François-Xavier Weill Jackie Wright Gordon Dougan Silvia Argimón Jacqueline A Keane David M Aanensen Stephen Baker Kathryn E Holt Peter Aaby Ali Abbas Saadia Andleeb Abraham Aseffa Kate S Baker Adwoa Bentsi-Enchill Robert F Breiman Carl Britto Josefina Campos Chih-Jun Chen Chien-Shun Chiou Viengmon Davong Abul Faiz Danish Gul Rumina Hasan Mochammad Hatta Aamer Ikram Lupeoletalelei Isaia Jan Jacobs Simon Kariuki Fahad Khokhar Elizabeth Klemm Laura M F Kuijpers Gemma Langridge Kruy Lim Octavie Lunguya Francisco Luquero Calman A MacLennan Florian Marks Masatomo Morita Mutinta Muchimba James CL Mwansa Kapambwe Mwape Jason M Mwenda John Nash Kathleen M Neuzil Paul Newton Stephen Obaro Sophie Octavia Makoto Ohnishi Michael Owusu Ellis Owusu-Dabo Se Eun Park Julian Parkhill Duy Thanh Pham Marie-France Phoba Derek J Pickard Raphael Rakotozandrainy Pilar Ramon-Pardo Farhan Rasheed Assaf Rokney Priscilla Rupali Ranjit Sah Sadia Shakoor Michelo Simuyand Arvinda Sooka Jeffrey D Stanaway A Duncan Steele Bieke Tack Adama Tall Neelam Taneja Mekonnen Teferi Sofonias Tessema Gaetan Thilliez Paul Turner James E Ussher Annavi Marie Villanueva Bart Weimer Vanessa K Wong Raspail Carrel Founou  
*eLife*, Pages 1-46

**Impact Factor:** 7.7 | **Quartile:** 1 | **Citations:** 43

**DOI:** <https://doi.org/10.7554/eLife.85867>

**Assesment of polyphenolic compounds against biofilms produced by clinical *Acinetobacter baumannii* strains using in silico and in vitro models**

2023

Laraib Mumtaz Arshad Farid Suliman Yousef Alomar Naushad Ahmad Asif Nawaz Saadia Andleeb Adnan Amin  
*Saudi Journal of Biological Sciences*, Volume:30, Issue:9, Article Number:103743

**Impact Factor:** 4.4 | **Quartile:** 1 | **Citations:** 7

**DOI:** 10.1016/j.sjbs.2023.103743

**Intensive care unit sinks are persistently colonized with multidrug resistant bacteria and mobilizable, resistance-conferring plasmids**

2023

Luke Diorio-Toth Meghan A. Wallace Christopher W. Farnsworth Bin Wang Danish Gul Jennie H. Kwon Saadia Andleeb Carey-Ann D. Burnham Gautam Dantas  
*mSystems*, Vol:08, No. 4, Article Number: e00206-23

**Impact Factor:** 6.4 | **Quartile:** 1 | **Citations:** 19

**DOI:** 10.1128/msystems.00206-23

**High resistance of fluoroquinolone and macrolide reported in avian pathogenic *Escherichia coli* isolates from the humid subtropical regions of Pakistan**

2023

Amna Jalil Saleha Masood Qurtaul Ain Saadia Andleeb Edward G. Dudley Fazal Adnan  
*Journal of Global Antimicrobial Resistance*, Volume 33, Pages 5-17

**Impact Factor:** 4.349 | **Quartile:** 2 | **Citations:** 3

DOI: 10.1016/j.jgar.2023.01.009

**Genomic Surveillance of Clinical *Pseudomonas aeruginosa* Isolates Reveals an Additive Effect of Carbapenemase Production on Carbapenem Resistance**

2022

Luke Diorio-Toth Sidra Irum Robert F. Potter Meghan A. Wallace Muhammad Arsalan Tehmina Munir Saadia Andleeb Carey-Ann D. Burnham Gautam Dantas  
*Microbiology Spectrum* , Volume 10, Issue 3, Article Number e00766-22

**Impact Factor:** 9.043 | **Quartile:** 1 | **Citations:** 10

**DOI:** 10.1128/spectrum.00766-22

**Evaluation of Blood-Brain-Barrier Permeability, Neurotoxicity, and Potential Cognitive Impairment by *Pseudomonas aeruginosa*'s Virulence Factor Pyocyanin**

2022

Muhammad Ibrahim Rashid Habiba Rashid Saadia Andleeb Amjad Ali  
*Oxidative Medicine and Cellular Longevity* , Volume 2022, Article ID 3060579

**Impact Factor:** 6.543 | **Quartile:** 2 | **Citations:** 9

**DOI:** <https://doi.org/10.1155/2022/3060579>

**In-Silico Vaccine Design Based on a Novel Vaccine Candidate Against Infections Caused by *Acinetobacter baumannii***

2021

Kashaf khalid Sidra Irum Sidra Rahmat Ullah Saadia Andleeb  
*International Journal of Peptide Research and Therapeutics* , Volume 28, Issue 1, Article Number 16

**Impact Factor:** 2.191 | **Quartile:** 4 | **Citations:** 24

**DOI:** 10.1007/s10989-021-10316-7

**Quest for Novel Preventive and Therapeutic Options Against Multidrug-Resistant *Pseudomonas aeruginosa***

2021

Sidra Irum Saadia Andleeb Amjad Ali Muhammad Ibrahim Rashid Mahnoor Majid  
*International Journal of Peptide Research and Therapeutics* , Volume 27, Issue 4, Pages 2313-2331

**Impact Factor:** 2.191 | **Quartile:** 4 | **Citations:** 3

**DOI:** 10.1007/s10989-021-10255-3

**Antimicrobial Resistance and Genomic Characterization of Six New Sequence Types in Multidrug-Resistant *Pseudomonas aeruginosa* Clinical Isolates from Pakistan**

2021

Sidra Irum Kanwal Naz Nimat ullah Zeeshan Mustafa Amjad Ali Muhammad Arsalan Kashaf Khalid Saadia Andleeb  
*Antibiotics-Basel* , Volume 10, Issue 11, Article Number 1386

**Impact Factor:** 5.222 | **Quartile:** 1 | **Citations:** 9

**DOI:** 10.3390/antibiotics10111386

**Antibiotic-mediated expression analysis of Shiga toxin 1 and 2 in multi-drug-resistant Shiga toxigenic *Escherichia coli***

2021

Aniqa rehman Saadia Andleeb Sidra Rehmat Ullah Zeeshan Mustafa Danish Gul Khalid Mehmood  
*Folia Microbiologica* , Volume 66, Issue 5, Pages 809-817

**Impact Factor:** 2.629 | **Quartile:** 3 | **Citations:** 5

**DOI:** 10.1007/s12223-021-00882-0

**Genomic Investigation of Methicillin-Resistant *Staphylococcus aureus* ST113 Strains Isolated from Tertiary Care Hospitals in Pakistan**

2021

Nimat Ullah Hamza Arshad Dar Kanwal Naz Saadia Andleeb Abdur Rahman Fazal Hanan Taeok Bae Amjad Ali Muhammad Tariq Saeed  
*Antibiotics-Basel* , Volume 10(9), Article Number 1121

**Impact Factor:** 4.639 | **Quartile:** 2 | **Citations:** 9

**DOI:** <https://doi.org/10.3390/antibiotics10091121>

**Identification of Vancomycin Resistance Determinants in Twin Cities of Rawalpindi/Islamabad**

2021

Sidra Rahmat Ullah Saadia Andleeb Taskeen Raza Khalid Mehmood  
*Abasyn Journal of Life Sciences* , Volume 4(1), Pages 112-118

**Impact Factor:** N/A

**DOI:** 10.34091/AJLS.4.1.13

**Antimicrobial Resistance Profiling of Biofilm Forming Non Typhoidal *Salmonella enterica* Isolates from Poultry and Its Associated Food Products from Pakistan**

2021

Abubakar Siddique Sara Azim Amjad Ali Saadia Andleeb Aitezaz Ahsan Muhammad Imran Abdur Rahman  
*Antibiotics* , Volume 10(7), Article Number 785

**Impact Factor:** 4.639 | **Quartile:** 2 | **Citations:** 24

**DOI:** [doi.org/10.3390/antibiotics10070785](https://doi.org/10.3390/antibiotics10070785)

**Chemical Synthesis and Antipseudomonal Activity of Al-Doped NiO Nanoparticles**

2021

Sidra Irum Saadia Andleeb Sumbal Sardar Zeeshan Mustafa Ghazanfar Ghaffar M. Mumtaz Mubasher Muhammad Arslan Mudassar Abbas

**Draft genome sequence of an extensively drug-resistant neonatal *Klebsiella pneumoniae* isolate harbouring multiple plasmids contributing to antibiotic resistance** 2020

Sidra Rahmat Ullah Mahnoor Majid Saadia Andleeb

*Journal of Global Antimicrobial Resistance*, Volume 23, Pages 100-101

Impact Factor: 4.035 | Quartile: 2 | Citations: 5

DOI: <https://doi.org/10.1016/j.jgar.2020.08.008>

**Association of hepatitis E seropositivity and altered progesterone levels in pregnant women of low socioeconomic status from capital region of Pakistan** 2020

Nida ul Fatima Rabia Anwar Tahir Ahmed Baig Khalid Mehmood Saadia Andleeb

*Journal of the Pakistan Medical Association*, Volume 70, Issue 12, Pages 2119-2123

Impact Factor: 0.781 | Quartile: 4 | Citations: 1

DOI: 10.47391/JPM.03-335

**Immunoinformatics Driven Prediction of Multiepitopic Vaccine Against *Klebsiella pneumoniae* and *Mycobacterium tuberculosis* Coinfection and Its Validation via In Silico Expression** 2020

Khalid Mehmood Sidra Rahmat Ullah Mahnoor Majid Muhammad Ibrahim Rashid Saadia Andleeb

*International Journal of Peptide Research and Therapeutics*, Pages 1-13

Impact Factor: 1.931 | Quartile: 4 | Citations: 22

DOI: <https://doi.org/10.1007/s10989-020-10144-1>

**Novel Antibiotic Combinations of Diverse Subclasses for Effective Suppression of Extensively Drug-Resistant Methicillin-Resistant *Staphylococcus aureus* (MRSA)** 2020

Shumyila Nasir Muhammad Sufyan Vohra Danish Gul Umm E Swaiba Maira Aleem Saadia Andleeb Khalid Mehmood

*International Journal of Microbiology*, Volume 2020, Article ID 8831322, 10 pages

Impact Factor: 0 | Citations: 2

DOI: <https://doi.org/10.1155/2020/8831322>

**Tetracycline-inactivating enzymes from environmental, human commensal, and pathogenic bacteria cause broad-spectrum tetracycline resistance** 2020

Bin Wang Luting Fang Sidra Irum Chanez T. Symister Meghan Wallace Carey-Ann D. Burnham Saadia Andleeb Niraj H. Tolia Timothy A. Wenciewicz Andrew

J. Gasparrini Jana L. Markley Hirdesh Kumar Gautam Dantas

*Communications Biology*, Volume 3, Article Number 241

Impact Factor: 6.268 | Quartile: 1 | Citations: 135

DOI: <https://doi.org/10.1038/s42003-020-0966-5>

**Evaluation of Pyocyanin induced systemic pathogenicity of *Pseudomonas aeruginosa*** 2020

Muhammad Ibrahim Rashid Saadia Andleeb Amjad Ali

*Pakistan Journal of Pharmaceutical Sciences*, Volume 33, No.3, Pages 915-922

Impact Factor: 0.562 | Quartile: 4 | Citations: 7

DOI: [doi.org/10.36721/PJPS.2020.33.3.REG.915-922.1](https://doi.org/10.36721/PJPS.2020.33.3.REG.915-922.1)

**Isolation and characterization of bacteriophage to control multidrug-resistant *Pseudomonas aeruginosa* planktonic cells and biofilm** 2020

Muhammad Adnan Muhammad Rahman Ali Shah Muhsin Jamal Fazal Jalil Saadia Andleeb Muhammad Asif Nawaz Sidra Pervez Tahir Hussain Ismail Shah

Muhammad Imran Atif Kamil

*Biologicals*, Volume 63, Pages 89-96

Impact Factor: 1.856 | Quartile: 4 | Citations: 64

DOI: <https://doi.org/10.1016/j.biologicals.2019.10.003>

**Designing a multi-epitopic vaccine against the enterotoxigenic *Bacteroides fragilis* based on immunoinformatics approach** 2019

Mahnoor Majid Saadia Andleeb

*Scientific Reports*, Volume: 9, Article Number: 19780

Impact Factor: 3.998 | Quartile: 1 | Citations: 45

DOI: DOI: 10.1038/s41598-019-55613-w

**Phenotypic and genotypic characterization of linezolid-resistant *Enterococcus faecium* from the USA and Pakistan** 2019

Kate E Wardenburg Robert F Potter Alaric W D'Souza Tahir Hussain Meghan A Wallace Saadia Andleeb Carey-Ann D Burnham Gautam Dantas

*Journal of Antimicrobial Chemotherapy*, Volume 74, Issue 12, Pages 3445-3452

- Impact Factor:** 5.439 | **Quartile:** 1 | **Citations:** 36  
**DOI:** DOI: 10.1093/jac/dkz367
- Spatiotemporal dynamics of multidrug resistant bacteria on intensive care unit surfaces** 2019  
*Alaric W. D'Souza Robert F. Potter Meghan Wallace Angela Shupe Sanket Patel Xiaoqing Sun Danish Gul Jennie H. Kwon Saadia Andleeb Carey-Ann D. Burnham Gautam Dantas*  
*Nature Communications* , Volume 10, Article Number 4569  
**Impact Factor:** 12.121 | **Quartile:** 1 | **Citations:** 54  
**DOI:** <https://doi.org/10.1038/s41467-019-12563-1>
- Formulation of active packaging system using Artemisia scoparia for enhancing shelf life of fresh fruits** 2019  
*Javaria Hanif Nauman Khalid Rao Sanaullah Khan Muhammad Faraz Bhatti Mohammad Qasim Hayat Muhammad Ismail Saadia Andleeb Qaiser Mansoor Faria Khan Fahim Ameen Rumeza Hanif Muhammad Uzair Hashmi Hussnain Ahmed Janjua*  
*Materials Science and Engineering C* , Volume 100, Pages 82-93  
**Impact Factor:** 5.880 | **Quartile:** 1 | **Citations:** 20  
**DOI:** <https://doi.org/10.1016/j.msec.2019.02.101>
- Fishing for vaccines against Vibrio cholerae using in silico pan-proteomic reverse vaccinology approach** 2019  
*Muhammad Ibrahim Rashid Sammia Rehman Amjad Ali Saadia Andleeb*  
*PeerJ* , Volume: 7, Article Number: e6223  
**Impact Factor:** 2.379 | **Quartile:** 2 | **Citations:** 10  
**DOI:** 10.7717/peerj.6223
- Draft Genome Sequence of a blaNDM and blaPME-1 Harboring Pseudomonas aeruginosa Clinical Isolate from Pakistan** 2019  
*Sidra Irum Robert F. Potter Rubina Kamran Zeeshan Mustafa Meghan A. Wallace Carey-Ann D. Burnham Gautam Dantas Sidra Irum Robert F. Potter Rubina Kamran Zeeshan Mustafa Meghan A. Wallace Carey-Ann D. Burnham Gautam Dantas Saadia Andleeb*  
*Microbiology Resource Announcements* , Volume: 8, Issue: 17, Article Number: e00107-19  
**Impact Factor:** - | **Citations:** 1  
**DOI:** DOI:10.1128/MRA.00107-19
- Isolation, characterization and efficacy of phage MJ2 against biofilm forming multi-drug resistant Enterobacter cloacae** 2019  
*Muhsin Jamal Saadia Andleeb Fazal Jalil Muhammad Imran Muhammad Asif Nawaz Tahir Hussain Muhammad Ali Sadeeq ur Rahman Chythanya Rajanna Das*  
*Folia Microbiologica* , Volume: 64, Issue: 1, Pages: 101-111  
**Impact Factor:** 1.730 | **Quartile:** 3 | **Citations:** 47  
**DOI:** 10.1007/s12223-018-0636-x
- Functional Annotation and Analysis of Dual Oxidase 1 (DUOX1): a Potential Anti-pyocyanin Immune Component** 2018  
*Muhammad Ibrahim Rashid Saadia Andleeb Amjad Ali*  
*Interdisciplinary Sciences: Computational Life Sciences* , Volume: 10, 27 November 2018  
**Impact Factor:** 0.796 | **Quartile:** 3 | **Citations:** 1  
**DOI:** 10.1007/s12539-018-0308-1
- Superficieibacter electus gen. nov., sp. nov., an Extended-Spectrum  $\beta$ -Lactamase Possessing Member of the Enterobacteriaceae Family, Isolated From Intensive Care Unit Surfaces** 2018  
*Danish Gul Saadia Andleeb Robert F. Potter Alaric W. D'Souza Meghan A. Wallace Angela Shupe Sanket Patel Jennie H. Kwon Wandy Beatty Carey-Ann D. Burnham Gautam Dantas*  
*Frontiers in Microbiology* , 2018, 9:1629  
**Impact Factor:** 4.259 | **Quartile:** 1 | **Citations:** 7  
**DOI:** 10.3389/fmicb.2018.01629
- In silico drug repurposing via chemical-protein interaction analysis, a proof-of-concept study: targeting pyocyanin based virulence of antibiotic resistant Pseudomonas aeruginosa** 2018  
*Muhammad Ibrahim Rashid Parkha Tariq Habiba Rashid Amjad Ali Saadia Andleeb*  
*International Journal of Biosciences* , NULL  
**Impact Factor:** 0  
**DOI:** 10.12692/ijb/12.3.77-86
- Isolation and characterization of a bacteriophage and its utilization against multi-drug resistant Pseudomonas aeruginosa-2995.** 2017  
*Saadia Andleeb Muhsin Jamal Fazal Jalil Muhammad Imran Muhammad Asif Nawaz Tahir Hussain Muhammad Ali Chythanya Rajanna Das*  
*Life Sciences* , 2017. 190:21-28, NULL

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| <p><b>Impact Factor:</b> 3.234   <b>Quartile:</b> 2   <b>Citations:</b> 45<br/> <b>DOI:</b> 10.1016/j.lfs.2017.09.034</p>                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |
| <p><b>Draft genome sequence of a Salmonella enterica serovar Typhi strain resistant to fourth-generation cephalosporin and fluoroquinolone antibiotics</b></p> <p><i>Saadia Andleeb Danish Gul Hurmat Riaz Shifa Tariq Ashraf Amjad Ali Robert F. Potter Meghan A. Wallace Tehmina Munir Carey-Ann Burnham Gautam Dantas</i></p> <p><i>Genome Announcements</i> , Vol.5, Article No.e00850-17</p> <p><b>Impact Factor:</b> N/A   <b>Citations:</b> 10<br/> <b>DOI:</b> 10.1128/genomeA.00850-17</p>                                                              | 2017 |
| <p><b>Effectiveness of a lytic phage SRGI against vancomycin resistant Enterococcus faecalis in compost and soil</b></p> <p><i>Sidra Rahmat Ullah Saadia Andleeb Taskeen Raza Muhsin Jamal Khalid Mehmood</i></p> <p><i>BioMed Research International</i> , Volume 2017, Article ID 9351017, 8 pages</p> <p><b>Impact Factor:</b> 2.583   <b>Quartile:</b> 2   <b>Citations:</b> 18<br/> <b>DOI:</b> <a href="https://doi.org/10.1155/2017/9351017">https://doi.org/10.1155/2017/9351017</a></p>                                                                 | 2017 |
| <p><b>Effectiveness of a Lytic Phage SRG1 against Vancomycin-Resistant Enterococcus faecalis in Compost and Soil</b></p> <p><i>Sidra Rahmat Ullah Taskeen Raza Saadia Andleeb Muhsin Jamal Khalid Mehmood</i></p> <p><i>BioMed Research International</i> , NULL</p> <p><b>Impact Factor:</b> 2.583   <b>Quartile:</b> 2   <b>Citations:</b> 18<br/> <b>DOI:</b> 10.1155/2017/9351017</p>                                                                                                                                                                        | 2017 |
| <p><b>Draft Genome Sequence of the blaOXA-436- and blaNDM-1-Harboring Shewanella putrefaciens SA70 Isolate</b></p> <p><i>Robert F. Potter Alaric W. D'Souza Meghan A. Wallace Angela Shupe Sanket Patel Jennie H. Kwon Saadia Andleeb Carey-Ann D. Burnham (Corresponding Author) Gautam Dantas (Corresponding Author) Danish Gul</i></p> <p><i>Genome Announcement</i> , Volume: 5, Issue: 29, Article Number: e00644-17</p> <p><b>Impact Factor:</b> 0   <b>Citations:</b> 7<br/> <b>DOI:</b> 10.1128/genomeA.00644-17</p>                                     | 2017 |
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**DOI:**

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**Cell efficiency**

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In: *Cell Signaling: Interplay, Mechanisms, and Therapeutic Implications*, 1st Edition, Chapter 18, Pages 384-409

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### Foodborne Pathogens and their Associated Infections: An Introduction

2023

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In: *Book on Global Food Safety: Microbial Interventions and Molecular Advancements*, 1st Edition, Chapter 1, Pages 3-38

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