

Name: Nazia Jamil

Fathers Name: Muhammed Jamil

Designation: Associate Professor

National Identity Card No.: 33105-7823921-6

Mailing Address: Department of Microbiology and Molecular Genetics

University of the Punjab, Quaid-e-Campus, Lahore 54590, Pakistan.

Phone No. (Mobile)+923334566975

E-mail: jamil_nazi@yahoo.com, nazia.mmg@pu.edu.pk

URL: <http://www.researcherid.com/rid/F-6534-2013>

<http://my.indexcopernicus.com/nazia>

<http://pu.edu.pk/faculty/description/441/Dr-Nazia-Jamil.html>

Publications

Book/Chapters

1. **Book:** Soil Microenvironment for Bioremediation and Polymer Production **2020**. Editors Nazia Jamil, Prasun Kumar, Rida Batool, Publisher Wiley-Scrivener.(ISBN: 978-1-119-59205-1, under processing with publisher).
2. **Book Chapter:** Nazia Jamil, Faryal Ijaz, Fehmida Fasim 2018. Influence of Abiotic factors on activity of antibacterial compounds from *Aeromonas* and *Bacillus sp.* Understanding microbial pathogens: current knowledge and educational ideas on antimicrobial research, A. Méndez-Vilas (Ed.) Formatex Research center, page 158-165.
3. **Book Chapter:** Nazia Jamil and Nuzhat Ahmed **2016**. "Co-synthesis of mcl- poly-3-hydroxyalkanoates and exopolysaccharide by *Pseudomonas aeruginosa* CMG607w. Polymer science: research advances, practical applications and educational aspects A. Méndez-Vilas (Ed.) Formatex. Pp150-158.
4. **Book Chapter:** Misbah Aslam and Nazia Jamil. **2015** Plasmid encoded bacteriocin transformation studies in *Alcaligenes* and *Brevundimonas sp.* The Battle Against Microbial Pathogens: Basic Science, Technological Advances and Educational Programs A. Méndez-Vilas (Ed.) Formatex. Pp 336-345.
5. **Book:** N. Naeem and N. Jamil Isolation and Characterization of the PHA Producing Bacteria, Screening of Bioplastic producing Bacteria, LAP LAMBERT Academic Publishing (2014-02-06), ISBN-13: 978-3-659-49830-5.
6. **Edited Conference proceeding:** Hasnain, S., Jamil, N., Rehman, A., Faisal, M., Sabri, A.N. and Sultan, N (eds) 2008. Proceeding of 1st international conference on Genomics, Proteomics and Metabolomics: *Recent Trends in Biotechnology*. Published by MMG, PU, Lahore ISBN: 978-969-9324-00-0, Art Plus Press, Lahore.

List of Publications In Journals/Proceeding

1. Bakula Z, Javed H, Pleń M, Jamil N, Tahir Z, Jagielski T. **2019**. Genetic diversity of multidrug-resistant Mycobacterium tuberculosis isolates in Punjab, Pakistan. Infection, Genetics and Evolution. 72:16-24.
2. Nasir Javaid, Rida Batool, **Nazia Jamil**. **2019**. Blend of Polyhydroxyalkanoate synthesized by Lipase positive bacteria from plant oils. Journal of Renewable Materials. 7(5):463-476.
3. Dur-e-Shahwar., Sheikh, R.A. and Jamil, N., **2019**. Isolation and characterization of biosurfactant producing bacteria isolated from produced water. Punjab Univ. J. Zool., 34(1): 35-40.

4. Fadipe, T.O, Jamil, N. and Lawal, A.K., **2018**. Optimization of Carbon Substrates for Polyhydroxyalkanoates Production by Acinetobacteroleivorans SD12. *Journal of Industrial Research and Technology*. 7(2):49-59.
5. Hasnain Javed, Zofia Bakula, Małgorzata Pleń, Hafiza Jawairia Hashmi, Zarfishan Tahir, **Nazia Jamil**, Tomasz Jagielski . 2018. Evaluation of Genotype MTBDRplus and MTBDRsl assays for rapid detection of drug resistance in extensively drug-resistant Mycobacterium tuberculosis isolates in Pakistan. **Frontiers in Microbiology**. **IF 4.019**. Online:<https://www.frontiersin.org/articles/10.3389/fmicb.2018.02265>
6. Iftikhar Ali and **Nazia Jamil**. **2018**. Biosynthesis and Characterization of Poly3-hydroxyalkanoate (PHA) from Newly Isolated Bacterium Bacillus sp. AZR-1. *Iranian Journal of Science and Technology, Transactions A: Science*. 42(2):371–378.
7. Bushra Uzair, Nagina Atlas, Sidra Batool Malik, **Nazia Jamil**, Salaam Temitope Ojuolape, Mujaddadur Rehman, Barkat Ali Khan. **2018**. Snake Venom as an Effective Tool against Colorectal Cancer. *Protein & Peptide Letters*. Volume 25, Number 7, pp. 626-632 doi: 10.2174/0929866525666180614112935.
8. Hina Sadiq and **Nazia Jamil**. **2018**. Antagonistic behaviour of organic compounds from *Bacillus* species and *Brevundimonas* specie. *Pakistan Journal of Pharmaceutical Sciences*. Vol 31, No.3 919-926.
9. Sajida Munir and **Nazia Jamil**. **2018**. Polyhydroxyalkanoates (PHA) production in bacterial co-culture using glucose and volatile fatty acids as carbon source. *Journal of Basic Microbiology*. 58(3):247-254. <https://doi.org/10.1002/jobm.201700276>.
10. Rida Batool, Asma Kalsoom, Iqra Akbar, Najma Arshad, and **Nazia Jamil**. **2018**. Antilisterial Effect of Rosa damascena and Nymphaea alba in Mus musculus, *BioMed Research International*, vol. 2018, Article ID 4543723, 9 pages, doi:10.1155/2018/4543723.
11. Dilshad, Rimsha, Rida Batool, and **Nazia Jamil**. **2018**. Phytochemical screening and antibacterial potential of Artemisia absinthium L., Swertia chirayita and Sphaeranthus indicus. *Pakistan Journal of Pharmaceutical Sciences* (31) Issue 2, p499-507.
12. Naeem, Tayyaba, Naima Khan, and **Nazia Jamil**. **2018**. Synthesis of scl-poly (3-hydroxyalkanoates) by Bacillus cereus found in freshwater, from monosaccharides and disaccharides. *Frontiers in Biology*: Volume 13, Issue 1, pp 63–69 |
13. Humaira Jabeen and **Nazia Jamil**. **2018**. Responses of Bacteria from Urban and Desert Soil for Bioplastic accumulation. *Punjab University Journal of Zoology*. 33(1): 7-10. <http://dx.doi.org/10.17582/pujz/2018>.
14. Rauf, S., **Jamil, N.**, Tariq, S. A., Khan, M., Kausar, M. and Kaya, Y. **2017**, Progress in modification of sunflower oil to expand its industrial value. *J. Sci. Food Agric*,97(7) 1997–2006 (97: 1997–2006. doi:10.1002/jsfa.8214).
15. Iftikhar Ali, and **Nazia Jamil**. **2017**. Biosynthesis and genetics of polyhydroxyalkanoates by newly isolated Pseudomonas aeruginosa IFS and 30N using inexpensive carbon sources. *International Journal of Environmental Science and Technology*: 14(9): 1879–1888.
16. Tufail, Saiqa, Sajida Munir, and **Nazia Jamil**. **2017**. Variation analysis of bacterial polyhydroxyalkanoates production using saturated and unsaturated hydrocarbons. *Brazilian Journal of Microbiology*. 48(4) 629-636.
17. Naima Khan, Rida Batool and Nazia Jamil, 2017. Organic anions production by Bacillus Sp. To Enhance Maize and Millet Growth. *The Journal Of Animal & Plant Sciences*, 27(6): 2035-2044.
18. Hashmi, Hafiza Jawairia, Hasnain Javed, and **Nazia Jamil** **2017**. "Letter to editor: Emerging epidemic of drug resistant tuberculosis in vulnerable populations of developing countries." *African Health Sciences* 17.2: 599-602.
19. Javed, Hasnain, Hafiza Jawairia Hashmi, Zarfishan Tahir, and **Nazia Jamil**. **2017**. Drug resistance pattern and molecular characterization of mycobacterium tuberculosis strains in punjab, pakistan. *Southeast Asian Journal of Tropical Medicine and Public Health* 48(2): 322-330.

20. Arshad, Arooj, Bisma Ashraf, Iftikhar Ali, and **Nazia Jamil**. 2017. Biosynthesis of polyhydroxyalkanoates from styrene by *Enterobacter* spp. isolated from polluted environment. *Frontiers in Biology*: Volume 12, Issue 3, pp 210–218.
21. Nighat Naheed and Nazia Jamil 2016. Analysis of Polyhydroxyalkanoates Granules in *Bacillus* Sp. MFD11 and *Enterobacter* Sp. SEL2. *J.Chem.Soc.Pak.*, Vol. 38, No. 06, 1139-1150.
22. Javed H, Jamil N, Jagielski T, Bakula Z, Tahir Z. 2016 Evaluation of genotype MTBDRplus assay for rapid detection of isoniazid and rifampicin resistance in *Mycobacterium tuberculosis* clinical isolates from Pakistan. *Int J Mycobacteriol*. 2016 Dec;5 Suppl 1: page S147-S148. doi: 10.1016/j.ijmyco.2016.11.010. Epub 2016 Nov 24.
23. Iftikhar Ali and **Nazia Jamil**, 2016. Polyhydroxyalkanoates: Current applications in the medical field, *Front. Biol*. 11(1): 19 – 27.
24. Samar Mustafa, Hasnain Javed, Jawairia Hashmi, **Nazia Jamil**, Zarfishan Tahir, Abdul Majeed Akhtar, 2016 Emergence of mixed infection of Beijing/Non-Beijing strains among multi-drug-resistant *Mycobacterium tuberculosis* in Pakistan. *3Biotech* 6:108-117.
25. Hasnain Javed, Zarfishan Tahir, Hafiza Jawairia Hashmi, **Nazia Jamil** 2016. A cross-sectional study about knowledge and attitudes toward multidrug-resistant and extensively drug-resistant tuberculosis in a high-burden drug-resistant country *International Journal of Mycobacteriology* 5 (2), 128-134.
26. Maria Shuja, and **Nazia Jamil**, 2016. Reexamining intra and extracellular metabolites produced by *Pseudomonas aeruginosa*, *Journal of Coastal Life Medicine* 4(2) 132-139.
27. Bushra Iqbal, Naima Khan, **Nazia Jamil**, 2016. Polyhydroxybutyrate production by *Stenotrophomonas* and *Exiguobacterium* using renewable carbon source. *Annual Research & Review in Biology* 9(5) 1-9.
28. Sajida Munir and **Nazia Jamil**, 2015. Characterization of Polyhydroxyalkanoates Produced by Contaminated Soil Bacteria using Wastewater and Glucose as Carbon Sources. *Tropical Journal of Pharmaceutical Research*. 14(9):1605-1611.
29. Batool, R., Yrjälä, K., Shaukat, K, **Jamil, N.** and Hasnain, S. 2015. Production of EPS under Cr(VI) challenge in two indigenous bacteria isolated from a tannery effluent. *Journal of Basic Microbiology*, 55(9):1064-1074. DOI: 10.1002/jobm.201400885.
30. Hasnain Javed, Hafiza Jawairia Hashmi, Zarfishan Tahir, Abdul Rehman, **Nazia Jamil**. 2015. Choice of blood agar as a suitable media for *Mycobacterium tuberculosis*. *Science International (Lahore)*, 27(5),4283-4285.
31. Sajida Munir, Shagufta Iqbal and **Nazia Jamil** 2015. Polyhydroxyalkanoates (PHA) Production using Paper Mill Wastewater as Carbon Source in Comparison with Glucose. *Journal of Pure and Applied Microbiology*. 9: 453-460.
32. **Nazia Jamil** and Nuzhat Ahmed. 2015. Micro Fibril and Capsular Exopolysaccharides Produced by *Alcaligenes* CMG634. *Journal Of Pure And Applied Microbiology*. 9: 399-405.
33. Tayyaba Younas, Iftikhar Ali and **Nazia Jamil**. 2015. Polyhydroxyalkanoates production using canola oil by bacteria isolated from paper pulp industry. *Kuwait Journal of Sciences* 42 (2): 236-249.
34. Hasnain, Javaid and **Nazia Jamil**, 2015. Utilization of mustard oil for the production of polyhydroxyalkanoates by *Pseudomonas aeruginosa*. *The Journal of Microbiology, Biotechnology and Food Sciences*. 4 (5) 412-414.
35. Zaid, M. and **Jamil, N.**, 2015 Production and *in-vitro* Evaluation of Bioplastic produced by bacteria using Bagasse, Dr. Md. Aminur Rahman and Dr. Akos Lakatos (eds), ISBN 978-93-84468-14-9, International Conference on Chemical, Food and Environment Engineering (ICCFEE, 15) from Jan. 11-12, 2015 at Dubai, UAE, pp,61-65.
36. Hasnain Javed and **Nazia Jamil**. 2015. Genotypes and drug resistance patterns of multi-drug-resistant *Mycobacterium tuberculosis* strains in Pakistan. *European Respiratory Journal* 46(suppl 59):PA2687. DOI:10.1183/13993003.congress-2015. PA2687.
37. Naheed, N. and **Nazia Jamil**, 2014. Optimization of biodegradable plastic production on sugar cane molasses in *Enterobacter* sp. SEL2. *Brazilian Journal of Microbiology* 45(2): 417-426.

38. Ali, I. and **Nazia Jamil**, 2014. Enhanced biosynthesis of poly(3-Hydroxybutyrate) from potato starch by *Bacillus cereus* strain 64-INS in a laboratory scale fermenter, *Preparative Biochemistry and Biotechnology*, 44:822–833, 2014.
39. Naeem, A., Batool, R. and **Jamil, N.** 2013. Cr(VI) reduction by *Cellulosimicrobium* sp. isolated from tannery effluent. *Turkish Journal of biology*, 37:315-322.
40. Naheed, N., **Jamil, N.**, Hasnain, S. and Abbas, G. 2012. Biosynthesis of polyhydroxybutyrate in *Enterobacter* sp. SEL2 and *Enterobacteriaceae bacterium* sp. PFW 1 using sugar cane molasses as media. *African Journal of Biotechnology*, 11:3321-3332.
41. Chaudhry, W.N., **Jamil, N.**, Ali, I., Ayaz, M.H. and Hasnain, S. 2011. Screening for polyhydroxyalkanoate (PHA)-producing bacterial strains and comparison of PHA production from various inexpensive carbon sources. *Annals of microbiology*, 61:623-629.
42. **Jamil, N.**, **Jamil, N.** and Ahmed, N. 2011. Screening of environmental bacteria having potentially active characters for increasing soil biological activities. *Academic Research International*, 1:125-133.
43. Naheed, N., **Jamil, N.** and Hasnain, S. 2011. Screening of contaminated soils for biodegradable plastic producing bacteria and profiling of their resistance markers. *African Journal of Microbiology Research*, 5:4097-4104.
44. Iqbal, U., **Jamil, N.**, Ali, I. and Hasnain, S. 2010. Effect of zinc-phosphate-solubilizing bacterial isolates on growth of *Vigna radiata*. *Annals of microbiology*, 60:243-248.
45. Razzaq, A., **Jamil, N.**, Naheed, N. and Hasnain, S. 2010. Bacteria from contaminated urban and hilly areas as a source of polyhydroxyalkanoates production. *African Journal of Biotechnology*, 9:1919-1925.
46. Naheed, N., **Jamil, N.** and Hasnain, S. 2009. Extraction of polyhydroxyalkanoate by sodium dodesyl sulphate addition from contaminated environmental bacterial isolates, In Proc. International symposium on microbial technologies for sustainable agriculture. Hafeez, F.Y., Malik, K.A. and Zafar, Y (eds), Printed by Crystal Printers, ATS center, Fazal-e-Haq Road, Blue Area, Islamabad-Pakistan ISBN: 978-969-8189-14-3. pp 267-268.
47. Naheed, N., **Jamil, N.** and Hasnain, S. 2008. Biodegradable Plastic Producing Bacterial Strains: Production and Characterization. In Proc. Genomics, Proteomics and Metabolomics: Recent trends in biotechnology, Hasnain, S., Jamil, N., Rehman, A., Faisal, M., Sabri, A.N. and Sultan, N (eds), Art Plus, Lahore, pp. 230-239.
48. **Jamil, N.** and Ahmed, N. 2008. Production of biopolymers by *Pseudomonas aeruginosa* isolated from marine source. *Brazilian Archives of Biology and Technology*, 51:457-464.
49. Arshad, M.U., **Jamil, N.**, Naheed, N. and Hasnain, S. 2007. Analysis of bacterial strains from contaminated and non-contaminated sites for the production of biopolymers. *African Journal of Biotechnology*, 6:1115-1121.
50. **Jamil, N.**, Ahmed, N. and Edwards, D.H. 2007. Characterization of biopolymer produced by *Pseudomonas* sp. CMG607w of marine origin. *The Journal of General and Applied Microbiology*, 53:105-109.
51. Muhammdi, **Jamil, N.** and Ahmed, N. 2007. A hydrophilic and halophilic biopolymer produced by soil bacterium CMG1447mp. *International Journal of Biology and Biotechnology*, 4:213-218.
52. Rehman, S., **Jamil, N.** and Husnain, S. 2007. Screening of different contaminated environments for polyhydroxyalkanoates-producing bacterial strains. *Biologia*, 62:650-656.
53. Rehman, S., **Jamil, N.** and Hasnain, S. 2006. Characterization and optimization of antibiotic resistant bacterial strains for polyhydroxyalkanoates (PHAs) production. *Pakistan Journal of Agricultural Research*, 19:81-86.
54. **Jamil, N.** and Ahmed, N. 2006. Characterization of Bacterial flora from coastal areas of Pakistan. *Journal of Basic and Applied Sciences*, 1:119-126.
55. **Jamil, N.** and Ahmed, N. 2006. Analysis of *Staphylococcus* sp. for secondary metabolite production. *Journal of Agricultural and Biological Science*, 1:32-41.

56. Uzair, B., **Jamil, N.** and Ahmed, N. **2006**. Screening and Characterization of biotechnologically important marine bacteria from Baluchistan coast. *International Journal of Biology and Biotechnology*, 3:455-461.
57. Jamil, N., **Jamil, N.** and Ahmed, N. **2005**. Bioabsorbent production by CMG646: A marine isolate. *International Journal of Biology and Biotechnology*, 2:365-369.
58. Ahmed, N., **Jamil, N.**, Uzair, B. and Qureshi, F.M. **2003**. Biodiversity of bacterial flora from coastal areas of Pakistan: Sind and Baluchistan. Global taxonomy Initiative in Asia, Junko Shimura (eds), Research report for National Institute for Environmental Studies. Japan. pp. 644-647.
59. Fasim, F., **Jamil, N.** and Ahmed, N. **2003**. Comparative study of Air borne bacteria Isolated from Karachi University. *Pakistan Journal of Biological Sciences*, 6:644-647.
60. Qureshi, F.M., Akhtar, J., Badar, U., Fasim, F., **Jamil, N.**, Raihan, S., Hassan, M.T. and Ahmed, N. **2001**. Towards effective bioremediation in Third World countries. Contaminated Soils, Sediments and Water, 2001(October).
61. Ahmed, N., Fasim, F., Arif, M. and **Jamil, N.** **2000**. Inducible Metal tolerance to heavy metals in air borne bacteria. *Pakistan Journal of Biological Sciences*, 3:2232-2237.
62. **Jamil, N.**, Erum, A., Yasmeen, S. and Ahmed, N. **2000**. Biodiversity: Characterization of bacteria isolated from marine environment. In Proc. Aquatic biodiversity of Arabian Sea. Q.B. Qazmi (eds), University Press, Karachi, pp. 71-85.
63. Ahmed, N., **Jamil, N.**, Yasmeen, S., Haq, Z., Khan, O.Y., Ahmed V.U., and Rehman, A. **2000**. Commercially important products from Marine Bacteria: Marine Biotechnology. In Proceedings of Symposium on Arabian Sea as a resource of biological diversity. Ahmed V. U. (eds). Karachi University Press. pp 24-30.
64. Fasim, F., **Jamil, N.** and Ahmed, N. **1999**. Statistical analysis of air-borne bacteria isolated from different sites of Karachi University. *Medical Journal of Islamic Academy of Sciences*, 12:73-77.