

Curriculum Vitae

Dr. Nazia Jamil

Name: Nazia Jamil

Fathers Name: Muhammed Jamil

Designation: Associate Professor

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Education

Ph.D Genetics (2005) University of Karachi, Karachi, Pakistan

Thesis title: Genetics of Novel Metabolites from Marine Bacteria.

M.Sc. Genetics (1996) University of Karachi, Karachi, Pakistan

PGD (Post Graduate Diploma) Statistics 1996 University of Karachi, Karachi, Pakistan

B.Sc. in Biology (Chemistry, Biochemistry, Microbiology-1992) Federal Govt. Urdu Science College (University of Karachi), Karachi.

Honors and Awards

1. **Performance Award** and **Honarium** from Punjab university year 2016 and 2017.
2. **Distinction: 2nd Prize on Research Poster Presentation.** Naima Khan, Rida Batool, **Nazia Jamil**, 2015. Effect of Zinc Solubilizing Bacteria on Growth of *Zea mays* and *Penicium moliaceum* Plants. 10th biennial International Conference of Pakistan Society for Microbiology, March 25-28, **2015**.
3. **Distinction: 3rd Prize on Research Poster Presentation.** Muhammad Zaid, **Nazia Jamil**. 2014. Toxicological Evaluation of PHA Extracted From Gram-negative Bacteria, using Bagasse as a Carbon Source. One day Workshop on Biosafety and Risk Assessment organized by Biosafety committee, University of the Punjab, Pakistan. April 18, **2014**.
4. **Distinction 2nd Prize on Research Poster Presentation.** Hasnain Javed, Syeda Samar Mustafa, Hafiza Jawairia Hashmi, **Nazia Jamil**. **2014** Genotypes and drug resistance pattern of *Mycobacterium tuberculosis* strains in Pakistan One day Symposium organized by Microbiology & Molecular Genetics, University of the Punjab, Pakistan on Emerging Issues of Multidrug Resistance: A Threat to the Globe, 2nd October **2014**.
5. **Won first prize for Business proposal writing**, ISTIC-Future University-IDB Training Workshop on Technopreneurship, 2 – 6 December **2012**, Khartoum, **Sudan**.
6. **Distinction: won best poster award.** Aniqa Naeem, Rida Batool and **Nazia Jamil**. December 18-19, **2012**. Interdisciplinary Research Center in Biomedical Materials (IRCBM) COMSATS Institute of Information Technology at Pearl Continental Catering, Lahore.
7. Young Innovators (PYI) Program, Higher Education Commission, Pakistan for research project 2007-9.

Summary of Professional Research Profile

Research Projects: International 2-IFS, 4-HEC, University of the Punjab 11, **Total:17**

Workshops/Conferences: International-15, National: 40, **Total: 55**

Publications: Impact factor-32, Nonimpact factor-30, **Total: 62**

Graduate students supervised: 22

Post Graduate students supervised MSc/MS/MPhil: 31

PhD Produced:04

Post Doctoral Fellow Supervised:01 (ICGEB-Italy: Research Fellow from Nigeria)

Research Experience

1. Research officer

ONR Project (1998-2000)

"Commercially, industrially and medically important compounds from Marine Bacteria: Marine biotechnology" Centre for Molecular Genetics & HEJRIC, University of Karachi, Pakistan. Established technology for the extraction of biodegradable plastic using indigenous bacteria under minimal nutrient conditions under the guidance of **Prof. Dr. Nuzhat Ahmed, Prof Dr. Atta -Ur- Rehman, Prof. Dr. Viqar-Udin- Ahmed.**

2. Foreign Research Experience in UK (HEL Link Program) 1999-2003

Completed three-month research project (Extraction and purification of secondary metabolites from marine bacteria and gene sequencing of Biodegradable plastic) at Dundee University under the guidance of Prof. Dr. Geoff Gadd, Dr. Hilary K. Young, and respectively.

Name	Date	Duration	Purpose of Visit
School of Biological Sciences, University of Dundee, Scotland, UK	1999	Three months	Research officer, DFID, Sponsored by British Council.
School of Biological Sciences, University of Dundee, Scotland, UK	2001	Four Months	Research officer DFID, Sponsored by British Council
Ninewells Hospital, University of Dundee, Scotland, UK	2002	Three months	Research officer Higher Education Link program, Sponsored by British Council
Ninewells Hospital, University of Dundee, Scotland, UK	2003	Two months	Research officer Higher Education Link program, Sponsored by British Council

3. Ph.D: Six year research experience under the guidance of Prof. Dr. Nuzhat Ahmed, Dept. Genetics, University of Karachi, Thesis title: **Genetics of Novel Metabolites from Marine Bacteria.** DNA sequences in Database:GenBank accession numbers for polyhydroxyalkanoates synthase operon nucleotide sequences are AY596787, AY596788,

AY596789, AY596790, AY596791, AY596792, AY596793, AY596794, AY596795, DQ455690, DQ455691, EU781525, EU781526.

4. **M.Sc:** One year research experience, under the guidance of Prof. Dr. Nuzhat Ahmed, Dept. Genetics, University of Karachi, project entitled as "Characterization of Air Borne Bacteria".

Teaching Experience

(2004 –TO DATE)

Graduate, Post Graduate, Ph.D

Subjects: Episomes Plasmids Transposons, Lateral DNA transfer, Environmental Microbiology, Biosafety, Probiotics, Microbial Genetics, Biodegradation and Bioremediation, Molecular Genetics of Yeast, Ethical Issues in Genetics. Term Paper, Microbial Genetics, DNA sequencing, PCR techniques.

SUBJECT SPECIALIST/EXAMINER/Ph.D /MPHIL

1. Evaluated PhD thesis from **Queensland University Australia. 2014** Title: PHA from microbial subpopulations in mixed culture.
2. **Examiner PPSC 2017 todate Punjab Public Service Commission.** No.PPSC-DE-2018/289, DE-57-2019, PPSC-DE-2019/113
3. Subject Expert, NUR International University, Lahore REG/BOS/MLT/**2019/05**
4. Subject Specialist External Examiner Genetics, Punjab University 2006 to date
5. Member DDPC relating to MS/MPhil/PhD No.D/6937/Acad
6. Member Board of studies in MMG 2019
7. Member Board of studies, Department of Microbiology & Molecular Genetics, University of Okara, No. UO/ARA/2019/60
8. Member Board of studies Department of Medical Lab technology, NUR International University (Reg/BOS/MLT/2019/05)
9. Member of Board of Faculty of Life Sciences, University of the Punjab, Lahore.2013-2015.
10. Member of Board of Studies for Syllabi/course, The Women University, Multan. No. 1-18/ACAD-II/WUM/210/D
11. External Examiner Women University Multan, Ref. No. MMG/No./1174/WUM
12. External examiner 2013, MS-Biotechnology No. 23FBAS/MSBT2/F11, International Islamic University.

Administrative Experience

- Member SAR committee 2019 for QEC Punjab University R No.144QEC
- Coordinator Academic block, Biosafety Committee of Department
- Member admission committee, BS. 2004 - todate
- Member Intreview committee M.Phil/Ph.D 2004- todate;
- Prepare Syllabi for MS/MPhil in 2008
- National HEC Curriculum Revision Committee for Genetics 2005.
- Prepare prospectus 2005-2014
- InchargeStore of Department
- Member departmental Scholarship committee
- Purchase committee of the Department of Microbiology & Molecular Genetics.
- Member Departmental Committee for Anti Dengue / Anti Measles Activities 2013- to date (No. D/858/MMG).

Membership of Learned Societies

- Genetics Society UK. Membership number: P0004005
- Life time Member Pakistan Biological Safety Association Member no. 415.
- Associate member of EuroScience, France.
- Professional Membership (ID: M141736) in International Society for Development and Sustainability (ISDS) Japan, 2015 to date.
- Secretary, 2013-14, Departmental Council for Disciplinary Cases of University of the Punjab(No. D/1243/MMG).
- Member Self Assessment Manual team, develop by Quality Enhancement cell
- Member of the Society for Industrial Microbiology, USA 2005-2009.
- Member ASM, USA (Members ID: 57035453)
- Life Fellow Zoological Society of Pakistan.

RESEARCH PROJECTS

INTERNATIONAL PROJECT

1. **International Foundation for Science (IFS) Sweden, Project F-4739-2 (2014-17)-PI**
Analysis of purified bioplastic from indigenous bacteria for in-vitro cell culturing, 10000 USD.
2. **IFS funded Project F-4739-1(2009-2011)-PI**
Industrial and Domestic Wastewater as a resource of Bacteria producing Bioplastic, funded by International Foundation for Science (IFS), Sweden. 3000USD

NATIONAL: Higher Education Commission/Pakistan Science Foundation

3. **HEC funded project (NRPU-20-3443) 3.54 million PKR 2016-18. PI.** Conversion of organic waste water into Bioplastic using bacteria: Fermentor Scale.
4. **HEC funded project (NRPU-20-3743) 4.2 million PKR 2016-19 CoPI.** Removal of Cr(VI) from aqueous solution through chemically modified and bacterial coated rice husk and wheat bran.
5. **Higher Education Commission funded Research Project No.20-2505/NRPU/R&D/HEC/125395 (2013-15)-CoPI.**
Anticancer therapy: Targeting De Novo Lipid synthesis 16.4 million PKR
6. **Higher Education Commission funded Research Project No.PM-IPFP/HRD/HEC/2012/3550(2013)-CoPI**
Identification and validation of promising drug targets and anti-targets for cancer therapy within the Mevalonate pathway.
7. **Higher Education Commission funded Research Project PYI no. 8-1/IRSI/HEC/2004/02 (2007-2009)-PI**
Production of Biodegradable Plastic from Agricultural Waste: A Lab Scale Optimization, funded by Presidential Young Innovators (PYI) Program, Higher Education Commission, Pakistan.

NATIONAL: Punjab University projects

1. **Punjab University Research Project (2017-2018)-PI**
Analysis of Fresh water for bacteria accumulating Biodegradable plastic.
2. **Punjab University Research Project (2015-2016)-PI**
Molecular Detection Of Beijing And Non-Beijing Genotypes Among *Mycobacterium Tuberculosis* Strains.
3. **Punjab University Research Project (2014-2015)-PI**
Mutational Analysis of Multi-drug Resistant *Mycobacterium tuberculosis* in Pakistan.
4. **Punjab University Research Project (2013-2014)-PI**
Biochemical characterization of bioplastic produced by *Pseudomonas & Enterobacter* using bagass, funded by University of the Punjab, Lahore, Pakistan.
5. **Punjab University Research Project (2012-2013)-PI**
Lab Scale production and analysis of Antibacterial compounds from Indigenous Bacteria, funded by University of the Punjab, Lahore, Pakistan.
6. **Punjab University Research Project (2011-2012)-PI**
Screening and Optimization of Bioplastic by Bacteria funded by University of the Punjab, Lahore, Pakistan.
7. **Punjab University Research Project (2010-2011)-PI**
Molecular Characterization of Bioplastic producing *Pseudomonas*, funded by University of the Punjab, Lahore, Pakistan.
8. **Punjab University Research Project (2009-2010)-PI**
Production of Bioplastic by Bacteria using Mobile Oil, funded by University of the Punjab, Lahore, Pakistan.
9. **Punjab University Research Project (2008-2009)-PI**
Industrial and Domestic Wastewater Analysis for Bacteria producing Bioplastic, funded by University of the Punjab, Lahore, Pakistan.
10. **Punjab University Research Project (2007-2008)-PI**
Bioplastic production from environmental isolates, funded by University of the Punjab, Lahore, Pakistan.
11. **Punjab University Research Project (2004-2005) -PI**
Rapid and Specific Screening of Biodegradable Plastic Gene from Bacteria of Different Environments: A PCR Based Strategy, funded by University of the Punjab, Lahore, Pakistan.
12. **DPCC Punjab University Research Grant** for molecular biology Kits of worth 0.1millionPKR

RESEARCH COLLABORATIONS DEVELOP

International

1. Develop collaboration for **PHA** research with **Dr. Nehal I. Abu-Lail**, Associate Professor and Associate Director, Gene and Linda Voiland School of Chemical Engineering and Bioengineering, Washington State University, 118 Dana Hall Spokane Street, Pullman, WA 99164-2710, **USA**. Phone: 509-335-4961.
2. Develop collaboration for **MDR-TB** research with **Dr. Tomasz JAGIELSKI**, Department of Applied Microbiology, Faculty of Biology, University of Warsaw, **Poland**.

National

1. Dr. Muhammad Shahid Mahmood, Department of Microbiology, University of Agriculture, Faisalabad.
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MENTOR/SUPERVISOR

HEC Approved PhD supervisor for research in Biological Sciences (Ref.no.1-30/HEC/HRD/2008/37-18)

<http://pu.edu.pk/page/detail/HEC-Approved-Supervisors.html>

Postdoctoral Supervision

Dr. Temitope Salaam, ICGEB Postdoc.

Ph.D. produced

1. Ms. Nighat Naheed: Genetic Characterization of biodegradable plastic producing bacteria. **2014.**
2. Ms. Sajida Munir: **2016.** Bacterial bioplastic production using organic wastewater.
3. Mr. Hasnain Javaid: Genetic diversity of multidrug resistant *Mycobacterium tuberculosis* in Pakistan **2018.**
4. Iftikhar Ali **2019:** Biosynthesis of SCL and MCL PHA from indigenous bacteria.
5. Dur-e-Shawar: Bioremediation of Hydrocarbon contaminated water in selected oil fields Potwar, Pakistan 2019 submitted

PhD Scholar Under supervision: 03

M.S./M. Phil. Scholar Supervision

1. **Asma Jabeen 2019:** Prevalence of Class 1 Integrons in Drug Resistant bacteria isolated from raw meat and milk
2. Ms. Tayyaba: Analysis of Produce water for Bioplastic producing bacteria and synthase gene (2018)
3. Ms. Jaweria Hashmi: Analysis of Mutations Associated with MDR *Mycobacterium Tuberculosis* Strains from Punjab. 2017.
4. Ms. Seerat Sultan: Isolation and characterization of Biplastic producing bacteria from Tanner waste water. College of earth and environmental Sciences(2015-17). 2017
5. Ms. Naima Khan: Analysis of Intra and extracellular biopolymers from bacteria under lipid nutrition conditions. 2016
6. Mr. Kamran Akram (Reg.no.2009-ag-3416) Agriculture University Faisalabad. 2016, Phenotypic and Genotypic assortment of Polyhydroxyalkanoates Producing bacteria from rumen flora of domestic animals
7. Ms. Samar Mustafa: Molecular Detection of Beijing and Non-Beijing Genotypes Among *Mycobacterium Tuberculosis* strains. 2015
8. Mr. Muhammad Zaid: Optimization and Heamocompatibility of PHA extracted from bacteria using Bagass as carbon source 2014
9. Ms. Saiqa Tufail: Production analysis of polyhydroxyalkanoates by bacteria using waste frying oil and cooking oil as carbon. (2013)
10. Ms. Bushra Iqbal: Analysis of polyhydroxyalkanoates (PHAs) produced by *Stenotrophomonas* sp. and *Exiguobacterium* sp. (2012)
11. Ms. Hina Sadiq: Purification and characterization of bacteriocins produced by *Bacillus* and *Brevudimonas* sp. (2012)
12. Ms. Misbah Aslam: Detection and transformation studies of bacteriocin producing *Bacillus* & *Pseudomonas*. (2011)
13. Ms. Nasira Munawar: Production and optimization of bacterial bioplastic by sunflower oil and mustard oil. (2011)
14. Mr. Hasnain Javaid: Molecular Characterization of Bioplastic producing *Pseudomonas* from domestic and industrial wastewater. (2010)

15. Ms. Maria Mubeen: Physical characterization of biosorbent producing bacteria. (2010)
16. Ms. Faryal Ijaz: Optimization of culture condition for the production of antibacterial compound B7C from *Bacillus* and A21-22C from *Aeromona* species. (2009)
17. Ms. Uzma Iqbal: Effect of Zinc Phosphate and Antimicrobial Compound producing bacterial Strains on Plant Growth. (2008)

M.Sc. Scholar Supervision

1. Miss Seher 2019: Detection of Mobile genetic elements in Drug resistant bacteria from food samples.
2. Ms. Rafeya Sohail 2018: Coproduction of Biosurfactant and Polyhydroxyalkanoate by bacteria isolated from Potwar Oil field.
3. Asma Jabeen: Screening of secondary metabolites from bacterial isolates of hot springs AJK 2017.
4. Ms. Tayyaba Naeem: Analysis Of Bacteria From Freshwater For Bioplastic Production Under Different Nutrient Conditions 2016.
5. Ms Humaira: Analysis of Urban and Desert Soil Samples for Microbial Antagonistic Activities and Bioplastic Production. (2015).
6. Ms. Naima Khan: Solubilization of insoluble zinc compounds by bacteria and effect on plant growth promotion. (2014).
7. Ms. Naseem Naeem: Isolation and characterization of polyhydroxyalkanoates producing bacteria from different environment sources (2013)
8. Ms. Rameesa Sadaat: Optimization of bioplastic production by *Exiguobacterium* sp. and *Klebsiella* sp. using molasses as carbon source. (2012)
9. Ms. Amina Ehsan: Bacterial bioplastic production using mixed and mono cultures. (2011)
10. Ms. Freeha Arooj: Screening and extraction of extracellular biopolymer from bacteria. (2011)
11. Ms. Nida Saeed Ahmed: Extraction of polyhydroxyalkanoates from bacteria using glucose. (2011)
12. Ms. Anum Sumbul Asad: Analysis of biosynthesis and accumulation of PHA among bioplastic producing bacteria. (2010)
13. Ms. Hina Usman: Characterization of commercially important metabolites by dairy bacteria. (2010)
14. Mr. Hassan Shafiq: Characterization of secondary metabolites from indigenous bacteria. (2010)
15. Mr. M. Usman Arshad: Isolation and characterization of environmental isolates producing different biopolymers. (2006)

B.S(Hons.) Scholar Supervised

1. Mr. Muhammad Farooq 2019: Production optimization of Poly(3-hydroxybutyrate) producing *E. coli* from Tannery effluent
2. Mr. Taimoor: Contaminated environmental stains for Bioplastic Analysis (2018).
3. Ms. Abbera Masood: Mutational analysis of rpoB gene in *M.tuberculosis* (2016-17)
4. Kiran Nasir: Screening of bioplastic and halocin producing bacteria isolated from salt mine
5. Ms. Aiman Kursheed: Polyhydroxyalkanoates production from halotolerant bacteria
6. Ms Jawaria Hashmi: Molecular detection of *Mycobacterium tuberculosis* strains by IS6110 (2015)

7. Ms Arooj: Petrochemical plastic precursors for PHA production by bacteria Isolated from cooking oil.(2014)
8. Ms Bisma: Styrene as carbon source for Bioplastic production using bacteria isolated from diesel contaminated soil(2014).
9. Mr. Nasir Javaid: Analysis of bioplastics production from bacteria using canola and mustard oil (2013)
10. Ms. Rida Rashid: Screening and characterization of antibacterial compounds produced by *Pseudomonas* sp. and *Bacillus* sp. under different nutrient conditions. (2012)
11. Mr. Muhammad Zaid: Biochemical and molecular characterization of bioplastic produced by *Pseudomonas* and *Enterobacter* using bagasse (2012)
12. Ms. Shagufta Iqbal: Production of bioplastic by bacteria using wastewater and identification of bioplastic synthase gene. (2011)
13. Ms. Asma Nawaz: Screening of extracellular and intracellular biopolymer producing bacterial strains. (2011).
14. Ms. Bushra Iqbal: Time profiling of bioplastic accumulation in indigenous bacteria. (2010).
15. Ms. Huma Rashid: Production of bioplastic using mobile oil. (2009)
16. Ms. Tayyaba Younus: Screening of medium chain length PHA producing strains isolated from waste of paper industry. (2009).
17. Ms. Maria Shuja: Bacterial screening for antimicrobial activity, Zinc solubilization and bioplastic production. (2008).
18. Ms. Madeeha Afzal: Analysis of different bacterial strains for bioplastic production. (2008)
19. Mr. Waqas Nasir Chaudhry: Phenotypic and genotypic analysis of bioplastic and antimicrobial activity producing bacterial strains. (2008)
20. Ms. Saba Shamim: Screening of exopolysaccharide producing bacteria. (2007)
21. Ms. Attia Razaq: Comparative study of PHA Production from contaminated Urban and Hilly areas. (2007)
22. Mr. Shfiqur Rehman: Characterization of Polyhydroxyalkanoates Producing bacterial Strains. (2006).

Reviewer/ Referee/Editor

1. **Pakistan Journal of Phamaceutical Sciences**
2. E-Microbiology journal (**Editor**)
3. Journal of Basic and Applied Research international
4. Asian Journal of Applied Sciences
5. Journal of Advances in Biology & Biotechnology
6. British Biotechnology Journal
7. British Microbiology Research Journal
8. Journal of Global Agriculture and Ecology

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 *Acinetobacter leivorans* 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 Poly-3-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, Zarfshan 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**, Zarfshan 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, Zarfshan 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, Zarfshan Tahir, Abdul Rehman, **Nazia Jamil**. 2015. Choice of blood agar as a suitable media for *Mycobacterium tuberculosis*. Science International (Lahore), 27(5),4283-4285.
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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.
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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.
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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.
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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.
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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.
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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.

List of Conference Presentations Organized/Oral/Poster

1. **Oral presentation** in **X International Agriculture Symposium "AGROSYM 2019"**, 3-6 October 2019, AGROSYM 2019", Jahorina, Bosnia and Herzegovina
Title "Potentials of Produced water Bacillus sp. for PHA production and Plant Growth Promotion" .
2. **Oral presentation** in International symposium on sunflower and Forage crops production, Challenges and opportunities March 25-27, 2019, Title Synthesis of Bacterial Bioplastics from low-cost Agriculture products: *Current applications*. Organized by College of Agriculture, University of Sargodha.
3. **Participated** in workshop on Managing workplace Challenges and issues of Harassment 16th Fe 2019, organized by IAS, University of Punjab.
4. **Resource person** workshop on Biotechniques: PCR, PAGE and Gel electrophoresis 6th Aug 2019.
5. **International conference on Microbiology & Molecular Genetics**, 7-9 2018. Organized by MMG-Pu and Superior University.
6. **Organized: BSL-1 Design, Budget and Working** 26 April, 2018: A Competition for students of Department of Microbiology and Molecular Genetics, University of the Punjab Lahore.
7. **Poster presented** in 2nd International Conference on Plant Sciences (ICPS-2018) organized by Department of Botany, Government College University, Lahore from December 05-07, 2018.
8. **Research presented** in 38th All Pakistan Science conference 10-11th December 2018 at CEES Punjab University.
9. **Organized** Tuberculosis Past present and Future 26th March 2018".
10. Attended a lecture on "**Discovery and Utilization of Pharmaceutical Microorganisms and Drugs from Special Environments**" by Prof. Dr. Chenghang Sun from Institute of Medicinal Biotechnology (IBM), Peking Union Medical College (PUMC) and Chinese Academy of Medical Sciences (CAMS) organized by Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore, October 23, 2018.
11. Act as **Judge in** The **Scientific competition on Green Environment** for students of Department of Microbiology and Molecular Genetics, University of the Punjab Lahore, March, 2018.
12. **Regional research products showcasing event to celebrate 15 years of HEC** Sep. 27, 2017 Organized by LUMS. Product display poly (3-hydroxybutyrate)/ bioplastic.
13. **International conference on solid state physics (ICSSP'17)** Dec. 10-14, 2017. Topic presented Hydro-absorbent polymers produced by Bacillus licheniformis.

14. **Oral presentation in Institutional Biosafety Committee Workshop** 26th to 27th July Lahore at Pearl Continental Hotel. on Institutional Biosafety Committee of department and University of the Punjab.
15. **Emerging trends in Earth and Environmental Sciences (ETEES)** held on 9th and 10th March, 2017 at College of Earth and Environmental Sciences (CEES), University of The Punjab, Lahore.
 - Oral presentation Biological analysis of produced water and soil from oil fields of Potwar, Pakistan: An elementary appraisal.
 - Oral Presentation Organic compounds as carbon source for the production of bio-plastics by *Rhodococcus pyridinivorans* and *acinetobacter junni*.
 - Poster Presentation Biopolymer and Antimicrobial Compound Production from Bacterial Strains of Tatta Pani, Kashmir.
 - Poster Presentation Tannery waste water is a good source of polyhydroxyalkanoates (PHA) production.
16. **International Conference on Mining and Fuel Industries (CMFI-2017)** held on 19-21 October, 2017 at Sheikh Zayed Islamic Research Center, Karachi. Topic Presented: **Analysis and Study of Bacterial Growth Pattern in Produced Water (PW)**.
17. **Organized: BSL-1 Design, Budget and Working** April 25, 2017: A Competition for students of Department of Microbiology and Molecular Genetics, University of the Punjab Lahore.
18. **International Postgraduate Conference on Biotechnology (IPCB)** 24-26th August **2016**, Surabaya, **Indonesia** organized by Department of Environmental Engineering, ITS with co-host Soka University and University Malaysia Trengganu. Poster presentation Potentials of Urban and Desert soil for bioplastic production.
19. **5th International Symposium on Biomedical Materials: Clinical Requirements and Regulatory Affairs** 14 - 16 December **2016**.
 - Poster:** Naima Khan, Humaira Jabeen, Nazia Jamil Comparative analysis of Potentials of Urban and Desert soil for bio-plastic production
 - Poster:** Abeerah Masood, Hafiza Jawairia Hashmi, Hasnain Javed, Zarfishan Tahir, Nazia Jamil **Comparative analysis of GeneXpert MTB/RIF assay with conventional Culturing and Fluorescent Microscopy**
 - Oral:** Salaam O. Temitope, Alebiosu A. Folashade, Idowu O.Opeyemi, Lawal K. Adekunle, Elemo N. Gloria, Jamil Nazia Screening of polyhydroxyalkanoates bacteria from cassava and sugar sites in South-Western Nigeria.
20. **Oral Presentation in Annual Scientific Conference 2016** at Mohtarma Benazir Bhutto Shaheed University of Health Sciences, Azad Jammu Kashmir in collaboration of Shaheed University of Health Sciences, Lahore, Pakistan, from May 06-08, 2016
21. **10th biennial International Conference of Pakistan Society for Microbiology, March 25-28, 2015** Naima Khan, Rida Batool, Nazia Jamil, 2015. Effect of Zinc Solubilizing Bacteria on Growth of *Zea mays* and *Penicum miliaceum* Plants. Distinction: 2ND Prize on Research Poster Presentation
22. **10th biennial International Conference of Pakistan Society for Microbiology, March 25-28, 2015.** Syeda Samar Mustafa, Hafiza Jawairia Hashmi, Hasnain Javed, Nazia Jamil. **2015 Molecular characterization and drug susceptibility pattern of Multi drug resistant *Mycobacterium tuberculosis* strains in Punjab.**

23. **10th biennial International Conference of Pakistan Society for Microbiology, March 25-28,2015.**Syeda Samar Mustafa, Hafiza Jawairia Hashmi, Hasnain Javed, Nazia Jamil.2015. The Dilemma of Childhood MDR-TB. A thematic poster.
24. **Biennial Cardiorespiratory Conference, Lahore Pakistan.** March 27-29, 2015Hasnain Javed, Syeda Samar Mustafa, Hafiza Jawairia Hashmi, **Nazia Jamil** 2015. A Dilemma of Drug resistant Childhood TB in Developing World..
25. International Conference on Chemical, Food and Environment Engineering (ICCFEE, 15). Zaid, M. and Jamil, N., 2015 Production and in-vitro Evaluation of Bioplastic produced by bacteria using Bagasse, organized by International Academy of Arts, Science and Technology from Jan. 11-12, 2015 at Dubai, UAE, pp,61-65.
26. International Conference on Poverty & Sustainable Development, June 17-18, 2014, Colombo, **Sirilanka**. Jamil, N. 2014. Bioplastic production and Molecular Characterization of Indigenous Bacteria using Mustard Oil.
27. **Emerging Issues of Multidrug Resistance: A Threat to the Globe** Hasnain Javed, Syeda Samar Mustafa, Hafiza Jawairia Hashmi, Nazia Jamil. 2014 Genotypes and drug resistance pattern of *Mycobacterium tuberculosis* strains in Pakistan One day Symposium organized by Microbiology & Molecular Genetics, University of the Punjab, Pakistan on Emerging Issues of Multidrug Resistance: A Threat to the Globe, 2nd October 2014. **Distinction 2ND Prize on Research Poster Presentation.**
28. **Workshop on Biosafety and Risk Assessment** Muhammad Zaid, Nazia Jamil. 2014. **Toxicological Evaluation of PHA Extracted From Gram-negative Bacteria, using Bagasse as a Carbon Source.** One day Workshop on Biosafety and Risk Assessment organized by Biosafety committe, University of the Punjab, Pakistan. April 18, 2014 **Distinction: 3RD Prize on Research Poster Presentation**
29. **Laboratory Biosafety Criteria. Workshop on Biosafety** organized by Biosafety committe, University of the Punjab, Pakistan **Invited speaker** for conducting training session 19th April2014.
30. **Vice chancellor’s Forum on Universities in the Islamic World. Challenges of Internationalization.** Jamil, N. and Ali, I. **2013.** Production of bioplastic from bacteria using cheap carbon sources. Sep. 23-24, Islamabad, **Pakistan**.
31. April 2-3, **2013. Organizing Secretary** Conference on “*Biophysicochemical Basis for Technopreneurship*”. **Pakistan**
32. December 2–6, **2012.** “*ISTIC-Future University-IDB Training Workshop on Technopreneurship*”. Khartoum, **Sudan**.
33. September 10-14, **2012.** One week training course on “*Office Management for Officer*” organized by Punjab Institute of Management and Professional Development. **Pakistan**.
34. **2nd International Conference on Bioscience, Biochemistry and Pharmaceutical Sciences (ICBBPS'2013), Dubai.** Jamil, N. and Naheed, N. **2013.** Production of Bacterial Bioplastic from Agriculture waste: *Characterization, Structure and Genetic Analysis*.
35. **Bio Micro World 2011**Jamil, N., Ali, I. and Hasnain, S. **2011.** Production and Molecular Characterization of Bioplastic Producing Bacteria Using Mustered Oil and Potato Extract. Bio Micro World14-16 Sep, 2011, at Torremollinos, Malaga, **Spain**, IV International Conference on Environmental, Industrial and Applied Microbiology, oral presentation.
36. September 24, **2011. Convener,** workshop on “*Fluorescent Microscopy: Introduction and Applications*”. Organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, **Pakistan..**

37. October 20, **2011. Organized**, One day workshop on “*Immunoflorescent Techniques*” Organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, **Pakistan** .
38. February 9, **2010, Convener**, Pre-conference workshop, on “*Molecular Hematology*” venue & organized by Department of Microbiology and Molecular Genetics University of the Punjab Lahore, **Pakistan**.
39. June 21, **2010. Organizing Secretary**, Symposium On “*Current Agro Biotechnology And Transgenic Plants*” Venue Pearl Continental Hotel, Organized by Department Of Microbiology & Molecular Genetics, University of the Punjab, Lahore-Pakistan in Collaboration with Monsanto, **Pakistan**.
40. **International conference on Recent Advances in Fermentation Technology organized by Society of Industrial Microbiology in San Diego, California, USA.2009** November 8 - 11. Jamil, N., Ahmed, N. 2009. Coproduction of biopolymers consisting of Medium chain length 3-hydroxyalkanoic acid and Exopolysaccharide by *Pseudomonas* CMG607w.
41. **International conference on Recent Advances in Fermentation Technology organized by Society of Industrial Microbiology in San Diego, California, USA.2009** November 8 - 11 **Jamil, N.** and Ahmed, N. Laboratory analysis of Exopolysaccharide production by *Alcaligenes* CMG634 International conference on Recent Advances in Fermentation Technology organized by Society of Industrial Microbiology in San Diego, California, **USA.** (November 8 - 11). July 04, **2009**.
42. **Organizing Secretary:2-3 OCT 2009** “*Modern Biotechnology: A resource for Sustainable development*” Organized by Department of Microbiology & Molecular Genetics, University of the Punjab Lahore & Monsanto **Pakistan**.
43. May 13-14, **2009**. International workshop on “*Membrane Technology for wastewater Reclamation and Reuse*” organized by National University of Sciences and Technology, Islamabad, **Pakistan**.
44. October 24-25, **2007. Organizing Secretary: “Proteomics workshop: From sample preparation to data analysis”** Organized by Department of Microbiology & Molecular Genetics, University of the Punjab Lahore, **Pakistan**.
45. October 22-23, **2007. Organizing Secretary: 1st international conference on “Genomic, Proteomics and metabolomics”**. Organized by Department of Microbiology & Molecular Genetics, University of the Punjab Lahore, **Pakistan**.
46. December 4-6, **2006**. International conference on “*Sustainable crop production on salt effected land*”. Organized by Saline agriculture research center, University of Agriculture Faisalabad, **Pakistan**.
47. Naheed, N., **Jamil, N.** and Hasnain, S. **2008**. Production of bioplastic from agriculture waste. National Conference on Recent Advances in Agriculture biotechnology. Organized by National Commission on Biotechnology and National Institute for Genomics and Advanced Biotechnology of NARC. **Pakistan**. 18-19, March, 2008.
48. Rehman S., **Jamil, N.** and Hasnain, S. **2006**. Phenotypic and Genotypic analysis of PHA producing Bacteria. Paper presented in 26th Pakistan congress of Zoology, International. April 4-6 2006. University of the Punjab, Lahore, **Pakistan**. Abs;CBGP56, p33.
49. Rehman S., **Jamil, N.** and Hasnain, S. **2006**, Pak-Plastic: Biodegradable plastic. Lahore BIO-FORUM 2006 13-15 March, Organized by The Twin Center for Molecular Biology, University of the Punjab, Lahore – **Pakistan**.
50. **Jamil N.**, Ahmed, N. and Edwards, D. **2005**. Characterization of Medium chain length 3-hydroxyalkanoic Acid produced by *Pseudomonas* CMG607w of marine origin. 4th

- International symposium on Genetic Engineering and Biotechnology. Dec4-8 2005, Karachi, **Pakistan**, Abs. p45.
51. Jamil, N., **Jamil, N.** and Ahmed, N. **2005**. Screening of environmental bacteria having potentially active characters for increasing soil biological activities. 4th International symposium on Genetic Engineering and Biotechnology. Dec 4-8 2005, Karachi, **Pakistan**, Abs. p44.
 52. February 22, **2003**. “*No water no life*” organized by British council in collaboration with Center for Molecular Genetics, University of Karachi, Karachi, **Pakistan**.
 53. June 29 - July 3, **2002**. “*Operational / Trouble shooting Training Course on Gas Chromatography*” organized by Pakistan Council of Scientific and Industrial Research,
 54. January 29-30, **2002**. “*Marine Environment 2002 (Food, Health and Habitat)*”, Poster competition, held under the Higher Education Link between Centre of Excellence in Marine Biology, University of Karachi and Scottish Association for marine Sciences, U.K.
 55. Ahmed, N., **Jamil, N.**, Ahmed, V.U. and Rhaman, A.U. **2001**. Biodiversity among Marine Bacteria of Arabian Sea: An untapped source of Biologically and Commercially important compounds. Presented during 3rd IUPAC Conference on Biodiversity ICOB-3 at Antalya Turkey Nov 3-8, 2001, **Turkey**. Abs. p 42.
 56. February 23-25, **2001**. “*Untapped Fisheries Resources of Pakistan*”, Organized by Pakistan Fisheries Society and Marine Reference Collection and Resource Centre, University of Karachi, **Pakistan**.
 57. October 17, **2000**. “*The Price of Leather: Social, Political and Economic Costa of Tanneries in Karachi*”, held under British Council, Karachi and in collaboration with Centre for Molecular Genetics, University of Karachi, Karachi, **Pakistan**.
 58. September 18-20, **2000**. “*Arabian Sea as Resource of Biological Diversity*” Organized by Office of Naval Research, USA and in collaboration with HEJ Research Institute, University of Karachi, Karachi, **Pakistan**. **Jamil, N.**, Yasmeen, S., Qureshi, F.M., Ahmed, N., Ahmed, V.U. and Rahman, A. **2000**. Marine bacteria: A hidden treasure. Poster presented in Nat. Symp. Arabian Sea as a resource of biological diversity. 18- 20 Sept. Abs. p 26.
 59. Uzair. B., **Jamil, N.** and Ahmed, N. **2000** Biodiversity of Marine bacteria from Baluchistan Coast. Poster presented in Nat. Symp. Arabian Sea as a resource of biological diversity. 18- 20 Sept. **Pakistan**. 2000 Abs. p30.
 60. March 20-22, **1999**. “*Aquatic Biodiversity of Pakistan*” organized by Marine Reference Collection and Resource Centre, University of Karachi, **Pakistan**.
 61. February 15-17, **1999**. “*Women in pregnancy: Human Rights Strategies*” organized by Centre for Molecular Genetics in Collaboration with Department of International Development (DFID),UK and The British Council Karachi, **Pakistan**.
 62. **Jamil, N.** and Ahmed, N. **1998**. Search for a suitable media for the isolation of marine bacteria, plasmid profile of marine bacteria. Poster presentation in third international symposium on Genetic Engineering and Biotechnology. Feb’98, Karachi, **Pakistan**.
 63. Fasim, F., **Jamil, N.**, Qureshi, F.M. and Ahmed, N. **1996**. Phenotypic assay of airborne bacteria on the basis of their metal, antibiotic and salt tolerance, presented in the first International Conference of Genetics Nov.’96 Islamabad, **Pakistan**. Abs. 606M p51.
 64. July 13-14, **1996**. “*Career Planning and Job Search*” organized by University of Karachi, Karachi, **Pakistan**.
 65. June 15, **1995**. “*Updated in Blood Banking*” Seven-day course work in blood banking organized by Baqai Medical College, **Pakistan**.