

CURRICULUM VITAE OF DR. AGHA ASAD NOOR

PERSONAL

Name: Dr. Agha Asad Noor
Father's Name: Agha Noorullah Khan,
Family / Surname: Pathan
Religion: Islam
C.N.I.C. No: 43304-0590732-9
D.O.Birth: December 8, 1964
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ADDRESS FOR CORRESPONDENCE

(Off.) Professor, Institute of Microbiology, University of Sindh, Allama I. I. Kazi Campus, Jamshoro Pakistan.

(Res.) B. No. C-29, Sindh University Teachers' Colony, Behind Vice Chancellor's House, Vice Chancellor's Avenue, Sindh University, Jamshoro.

ACADEMIC

2008 **Ph.D.** from the University of Sindh, Jamshoro, Pakistan.
1997 **M.Phil.** from Quaid-i-Azam University, Islamabad, Pakistan.
1986 **M.Sc.** in Microbiology from University of Sindh, Jamshoro, Pakistan.
1984 **B.Sc. (Hons.)** in Microbiology from University of Sindh, Jamshoro, Pakistan.
1980 **H.S.C. (Intermediate, Pre-Medical)** from Board of Intermediate & Secondary Education, Hyderabad.
1978 **S.S.C. (Matriculation)** from Board of Intermediate & Secondary Education, Hyderabad.

PROFESSIONAL EXPERIENCE

1986-1997 **Lecturer** in Microbiology at Shah Abdul Latif University (SALU), Khairpur.
1997-1999 **Assistant Professor** in Microbiology at Shah Abdul Latif University, Khairpur.
1999-2001 **Assistant Professor** in Microbiology at University of Sindh, Jamshoro (on deputation basis).
2001-2002 **Assistant Professor** at Shah Abdul Latif University, Khairpur
2002 -2011 **Assistant Professor** in Microbiology at University of Sindh Jamshoro, Pakistan
2011-2013 **Associate Professor** in Microbiology at University of Sindh, Jamshoro.
2013-To date **Professor** in Microbiology at University of Sindh, Jamshoro.

EXPERIENCE

- ✓ Teaching Microbiology and Biotechnology since 1986
- ✓ Research activities since 1995 in multi-dimensional studies of life sciences

MEMBERSHIP

1. **Member**, Board of Studies of in Microbiology, University of Sindh, Jamshoro, Pakistan.
2. **Member**, Board of Science Faculty, University of Sindh Jamshoro, Pakistan.
3. **Member**, Senate, University of Sindh Jamshoro, Pakistan.
4. **Member**, Academic Council, University of Sindh, Jamshoro, Pakistan.
5. **Life member** of Pakistan Society for Microbiology.
6. **Member of IAENG**: International Association of Engineers (**Membership No. 123106**).
7. **Member** American Society for Microbiology, USA (**Membership No. 57439986**).
8. **Member**, SCIENCE PAKISTAN (**Membership No. SP-243**).
9. **Member** Editorial Board of FUUAST Journal of Biology.
10. **Member** Editorial Board of the International Journal of Biology and Biotechnology.

DISTINCTIONS

1984	First stood Second in B.Sc. honors.
1986	First stood Second in M.Sc. final.
1997	Secured FIRST PRIZE in poster presentation in Second International Biennial Conference of Pakistan society for Microbiology.
2019	Google impact factor 6.29 (Dated 13-03-2019)

RESEARCH ACTIVITIES

1. Research on alcohol production from molasses by *Saccharomyces cerevisiae*
2. Research on viability and growth rate of bacteria
3. Research on poisonous Planktonic Cyanobacteria
4. Research on Protease producing Bacteria
5. Research on In-vitro investigation of *E.coli*
6. Research on physical, chemical and biological studies of soil of Larkana District
7. Research on routine analysis of fresh water and water logged area of Manchar lake
8. Research on antifungal activities of herbal extracts.
9. Research on enhancement of yeast growth for bioethanol fermentation
10. Research on patho-clinical studies of Coliforms *E.coli*
11. Research on isolation, identification and antibiotic Susceptibility of G+ve cocci
12. Research on pure culture study of *Pseudomonas aeruginosa*
13. Research on epidemiological and clinical studies of *Streptococcus pneumoniae*
14. Research on surveillance of nosocomial infections.
15. Research on isolation of major pathogens from body fluids
16. Research on growth biotechnology of yeast strain

17. Research on dose response curve of herbal extracts.
18. Research on micro-algal biodiesel (Review)
19. Research on phosphate solubilization by bacteria
20. Research on Molecular detection of the Hepatitis C virus genotypes
21. Research on Frequency Distribution of Hepatitis C Virus Genotypes
22. Research on Epidemiological study of HCV genotypes
23. Research on Molecular detection of *Entamoeba histolytica*
24. Research on Emergence of carbapenems resistance in *Escherichia coli*
25. Research on Antibacterial activities of tobramycin-nanoparticles
26. Research on microbial spoilage of commercially available fruits
27. Research on ethanol production by yeast from dry date-water
28. Research on *Staphylococcus aureus* and *Klebsiella pneumoniae*
29. Research on prevalence of nosocomial candiduria
30. Research on alkaline protease production from indigenous bacterial isolates
31. Epidemiology of risk factor of MRSA and its resistance to vancomycin.
32. Research on antibiotic based synthesis of silver nitrate nanoparticles and their applications
33. Research on epidemiological and clinical studies of *Streptococcus pneumoniae*
34. Research on antibacterial activities of *Coriandrum sativum* and *Mentha arvensis* extracts
35. Research on comparative study of typhoid fever in different age groups
36. Research on surveillance of potential gram negative pathogens in rural areas
37. Research on bioethanol production by thermo tolerant and chemo tolerant yeast

CURRENT ONGOING RESEARCH

1. Epidemiological studies of various environmental pathogens
2. Epidemiological studies and antibiogram of uropathogens.
3. Population based studies of multidrug resistance bacteria.
4. Comparative studies of the effects of some commercial antibiotics and *Medicago sativa* (alfalfa) extract on *Pseudomonas* and *Staphylococci*.
5. Quantitative studies on microbial contamination of some commercial fruits and vegetables.
6. Sero-diagnostic investigation of various infections in Taluka Gambat.
7. Isolation and identification of pathogenic bacteria from biofluids of teen age hospitalized patients.
8. Isolation, identification and in-vitro growth of bacteria and yeast from different exogenous sources and their sensitivity pattern against antibiotics and some indigenous natural products,
9. Determination of synergetic effects of *Momordica charantia* L. and *Citrus limon* L. on bacteria and yeast.
10. Isolation and characterization of bacteria from pus samples of patients in hospital environment.
11. Serodiagnosis of HBV, HCV and HIV in blood donors and patients in Moro, District Nousharo Feroz.
12. Prevalence of Colibacillosis and Salmonellosis coinfection and in slaughtered chickens.
13. Studies of physico-chemical and bacteriological properties of water from Tandoadam canal.
14. Gender wise studies of bacterial otitis media in patients with hearing loss.
15. Physico-chemical and microbiological assessment of water samples of hadero lake, Thatta.
16. *In-vitro* determination of growth and sensitivity pattern of bacterial isolates and yeast against antibiotics and some selected fruits and vegetable extracts.

17. Isolation and identification of isolation and identification of potential pathogens from pleural effusion of hospitalized patients of Bahawal Nagar.
18. Quality assessment of Manchar Lake and Stream water of Lucky Shah Saddar, Sehwan.

SUPERVISION & COSUPERVISION OF BS BASED PROJECTS

Name of the Candidate & Institution	Topic of Research	Status of Degree
Sadia Hanif and Shazia Baloch , Institute of Microbiology, University of Sindh Jamshoro, Pakistan	Patho-clinical studies of Coliforms <i>E.coli</i> : A Model Pathogen of Human Infections	Completed
Saima Jawed and Farhina Khan , Institute of Microbiology, University of Sindh Jamshoro, Pakistan	Isolation, Identification and Antibiotic Susceptibility of G+ve cocci in various Clinical Specimens	Do
Meher-un-Nisa Samo , Institute of Microbiology, University of Sindh Jamshoro, Pakistan	Pure Culture Study of <i>Pseudomonas aeruginosa</i> from Clinical Specimens.	Do
x Ahmed Brohi , Institute of Microbiology, University of Sindh Jamshoro, Pakistan	Epidemiological and Clinical Studies of <i>Streptococcus pneumoniae</i>	Do
Rakhshanda Parveen, Shagufta Bano, Razia Muneer and Muhammad Faisal , Institute of Microbiology, University of Sindh Jamshoro, Pakistan	Surveillance of nosocomial infections in Hyderabad city	Do
Alia Shaikh, Mehwish Fatima, Sabeen Ghouri and Samina Channar , Institute of Microbiology, University of Sindh Jamshoro, Pakistan	Isolation of major pathogens from body fluids	Do
Abdul Ghaffar Memon, Adnan Ahmed Memon, Iftikhar A. Kalwar and Gulab Das , Institute of Microbiology, University of Sindh Jamshoro, Pakistan	Studies on Dose Response Curve of various herbal extracts and commercially available antibiotics on clinical isolates	Do
Hira Mustafa and Farheen Mustafa , Institute of Microbiology, University of Sindh Jamshoro, Pakistan	Micro-algal biodiesel: A new trend towards biofuel technology (Review)	Do
Abdul Rehman Khaskhely, Munawar Ali Khaskhely and Salman Muhammad Soomar , Institute of Microbiology, University of Sindh Jamshoro, Pakistan	Some studies on microbial spoilage of commercially available fruits	Do
Ammar Ali Awan, Mujeeb-ur-Rehman Khohro, Kashif Ali Arain, Sanaullah Bhatti , Institute of Microbiology, University of Sindh Jamshoro, Pakistan	In-vitro studies of <i>Staphylococcus aureus</i> and <i>Klebsiella pneumoniae</i> from clinical isolates	Do

HONOURARY CO-SUPERVISION OF MS / M.PHIL. PROJECTS

Name of the Candidate & Institution	Topic of Research	Status of Degree
Mr. Shafique Ahmed Rind Shah Abdul Latif University, Khairpur, Sindh, Pakistan.	Isolation, Identification and Occurrence of Medically Important Fungi Keratinophilic Fungi from the soil of District Larkana.	Completed
Ms. Shahida Mangi , Shah Abdul Latif University, Khairpur, Sindh, Pakistan.	Effect of Herbal Medicinal Plants on Dermatophytes.	Do
Mr. Muhammad Ali Bhatti Center for Environmental Studies, University of Sindh, Jamshoro, Sindh, Pakistan.	Physico-Chemical and Bacteriological Studies of Pharmaceutical Effluents from Hyderabad Division".	DO

SUPERVISION & CO-SUPERVISION OF MS / M.PHIL. STUDENTS

Name of the Candidate & Institution	Topic of Research	Status of Degree
Maqsood Masih , Institute of Microbiology, University of Sindh Jamshoro, Pakistan	A comparative study of typhoid fever in different age groups at Hyderabad city".	Completed
Kashif Ali Jandan , Institute of Microbiology, University of Sindh Jamshoro	Ethanol production by yeast from dry date-water with and without sodium formaldehyde sulfoxylate / runkaat	Do
Muhammad Ashraf Sial , Institute of Microbiology, University of Sinsh, Jamshoro, Pakistan	Prevalence of nosocomial candiduria in Khairpur District	Do
Barkat Ali Solangi , Institute of Microbiology, University of Sinsh, Jamshoro, Pakistan	Alkaline protease production from indigenous bacterial isolates by shake flask method	Do
Waqar Ali , Institute of Microbiology, University of Sinsh, Jamshoro, Pakistan	Detection of Hepatitis-D Virus RNA in Hepatitis-B Virus DNA Positive Patients Using Modern Molecular Techniques	Do
Syed Zaheer Abbass , Institute of Microbiology, University of Sinsh, Jamshoro, Pakistan	Extraction of some natural food preservatives from various indigenous plants and determination of their anti-bacterial activities	Do
Bashir Ahmed Mahar , Institute of Microbiology, University of Sinsh, Jamshoro, Pakistan	Surveillance of potential gram negative pathogens in various clinical specimens of rural areas of Shikarpur	Do
Mubarak Zeb , Institute of Microbiology, University of Sinsh, Jamshoro, Pakistan	Frequency and antifungal susceptibility pattern of <i>candida species</i> in different clinical isolates	Do
Atif Hussain Soomro , Institute of Microbiology, University of Sinsh, Jamshoro, Pakistan	Isolation and identification of aquatic pathogens from various sources of water of Hyderabad city	Delivered 1 st Seminar

Rana Asgher Ali , Institute of Microbiology, University of Sindh, Jamshoro, Pakistan	Quantitative studies on microbial contamination of some commercial fruits and vegetables	Do
Syed Sagheer Hussain Shah , Institute of Microbiology, University of Sindh, Jamshoro	Sero-diagnostic investigation of various infections In Taluka Gambat	Do
Ms. Saima Chandio , Center for Environmental Sciences, University of Sindh, Jamshoro, Pakistan	Physical, chemical and microbiological investigation of water samples of Hadero lake, district Thatta, Sindh, Pakistan	Do
Mr. Jan Muhammad Joyo , Center for Environmental Sciences, University of Sindh, Jamshoro, Pakistan	Some studies of physico-chemical and bacteriological properties of water from Tando Adam canal.	Under Process
Mr. Zahoor Ahmed , Center for Environmental Sciences, University of Sindh, Jamshoro, Pakistan	Isolation and characterization of bacteria from pus samples of patients in hospital environment	Do
Mr. Zohaib Ahmed Jatoi , Institute of Microbiology, University of Sindh, Jamshoro, Pakistan	Serodiagnosis of HBV, HCV and HIV in blood donors and patients of Taluka Moro, District Noushahro Feroz.	Do
Mr. Sajjad Hussain , Institute of Microbiology, University of Sindh, Jamshoro, Pakistan	Prevalence of colibacillosis and salmonellosis coinfection and in slaughtered chickens at Mirpurkhas	Do
Mr. Syed Adil Muhammad Shah , Department of Chemical Engineering, Mehran University of Engineering & Technology, Jamshoro, Pakistan.	Production of lactic acid from sugarcane bagasse fermentation.	Do
Ms. Rizwana Khanzada , Institute of Microbiology, University of Sindh, Jamshoro, Pakistan	Gender wise studies of bacterial otitis media in patients with hearing loss.	Do
Mr. Vivik Anand , Institute of Microbiology, University of Sindh, Jamshoro, Pakistan	Comparative studies of the effects of some commercially available antibacterial antibiotics and <i>medicago sativa (alfalfa)</i> extract on <i>pseudomonas</i> and <i>staphylococcus</i> species.	Do
Mr. Zahid Hussain Mirani , Institute of Microbiology, University of Sindh, Jamshoro, Pakistan	Quality assessment of Manchar lake and Stream water of Lucky Shah Saddar, Sehwan, District Jamshoro, Sindh	Do

SUPERVISION & CO-SUPERVISION SUPERVISION OF PH.D. PROJECTS

Name of the Candidate & Institution	Topic of Research	Status of Degree
Yasmeen Gul Junejo , National Center of Excellence in Analytical Chemistry, University of Sindh Jamshoro, Pakistan	Antibiotic based synthesis of silver nitrate nanoparticles and their applications	Degree awarded
Syed Wajahat H. Shah , Center for Environmental studies, University of Sindh, Jamshoro, Pakistan	Epidemiological studies of various environmental pathogens among the patients of different age groups in Karachi city.	Completed

Nazeer A. Brohi , Institute of Microbiology, University of Sinsh, Jamshoro, Pakistan	Epidemiology of risk factor of methicillin resistant <i>Staphylococcus aureus</i> (MRSA) and its resistance to vancomycin	On BASR approval
Mr. Shafique Ahmed Rind , Shah Abdul Latif University, Khairpur	Bioethanol production by thermo tolerant and chemo tolerant yeast from sugar substrates	On thesis Evaluation
Muhammad Ashraf Sial , Institute of Microbiology, University of Sinsh, Jamshoro, Pakistan	A population based study of persistence, mortality, antibiogram and determination of antibacterial activity of <i>Azadirachta indica</i> and <i>Ocimum tenuiflorum</i> extracts on <i>Pseudomonas aeruginosa</i> isolated from urinary tract infections, wounds and foot ulcers of diabetic patients of Khairpur District.	Under progress
Rasheed Ahmed Soomro , Institute of Microbiology, University of Sinsh, Jamshoro,	Epidemiological studies, isolation, identification and antibiotic profiling of uropathogens of hospitalized patients of Hyderabad and Jamshoro.	Do
Ms. Sanam Dehraj , Institute of Microbiology, University of Sinsh, Jamshoro, Pakistan	<i>In-vitro</i> determination of growth and sensitivity pattern of bacterial isolates and yeast against antibiotics and some selected fruits and vegetable extracts.	Do
Altaf Hussain Ghumro , Institute of Microbiology, University of Sinsh, Jamshoro, Pakistan	Epidemiological studies and biochemical investigations of hospitalized patients of post-operative wound infections at Nawabshah.	Applied for registration

PROFESSIONAL ACTIVITIES

- 2007** Appointed as **External examiner** for conducting comprehensive viva voce examination of B.Sc. (hon.) part III at Sindh Agriculture University, Tando jam, Pakistan.
- 2008** Appointed as **External examiner** of **05 M.Sc. honours (Food Technology)** dissertations and conduct viva voce at Sindh Agriculture University, Tandojam, Pakistan.
- 2009** Approved **research guide** for MS / M.Phil. and Ph.D at the Department of Microbiology, Shah Abdul Abdul Latif University, Khairpur.
- Approved **research guide / supervisor** for postgraduate studies in Microbiology at University of Sindh, Jamshoro.
- Approved **co-guide / co-supervisor** for postgraduate studies in National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro.
- Appointed as **External Examiner** for Ph.D. thesis and viva voce examination of the Department of Chemical Engineering, Mehran University of Engineering & Technology, Jamshoro Pakistan.
- Got placement to work as “**Postdoctoral fellow**” in the yeast Research Group at Abertay University, Dundee, Scotland with Professor Graeme M. Walker.

Appointed as **External Examiner** to conduct the subject GRE examination for the admission of MS / M.Phil. and Ph.D. program in Microbiology at Shah Abdul Latif University, Khairpur.

Appointed as **In-charge Chairman**, Department of Microbiology, University of Sindh, Jamshoro.

2010 Appointed as **External Examiner** for moderation of paper, copy assessment and conduct viva voce at the Department of Environmental Engineering, Mehran University of Engineering & Technology, Jamshoro, Pakistan.

2011 Appointed as **External Examiner** for assessment of 02 M.Phil. thesis of the Center for Advanced Vaccinology and Biotechnology (**CASVAB**), University of Balochistan, Quetta, Pakistan.

Appointed as **External Examiner** to conduct subject GRE examination for Ph.D. program in Microbiology at Shah Abdul Latif University, Khairpur, Sindh, Pakistan.

Appointed as **External Examiner** for moderation of paper, copy assessment and conduct viva voce at the Department of Environmental Engineering, Mehran University of Engineering & Technology, Jamshoro, Pakistan.

Appointed as **External Examiner** for moderation of paper, copy assessment of General Microbiology-I of M.Sc final of the Department of Microbiology, University of Balochistan, Quetta, Pakistan.

APPOINTED as **ASSOCIATE PROFESSOR** in the Microbiology, University of Sindh Jamshoro, Pakistan.

APPOINTED as **CHAIRMAN**, Department of Microbiology, University of Sindh, Jamshoro.

Appointed as **External expert** and **Member** of the Selection Board of Sindh Agriculture University, Tandojam, Sindh Pakistan.

2012 Appointed as **External Examiner** for assessment of M.Phil. thesis of **CASVAB**, University of Balochistan, Quetta, Pakistan.

Appointed as **External Examiner** for moderation of paper, copy assessment and conduct viva voce at the Department of Chemical Engineering, Mehran University of Engineering & Technology, Jamshoro, Pakistan.

Appointed as **External Examiner** to moderate question paper, assess answer copies of the Faculty of Pharmacy, Gomal University, Dera Ismail Khan, Khyber Pakhtookhwa, Pakistan.

Appointed as **External Examiner** for assessment of M.Phil. thesis of **CASVAB**, University of Balochistan, Quetta, Pakistan.

Appointed as **External Examiner** for paper setting of M.Phil. & Ph.D. program of **CASVAB**, University of Balochistan, Quetta, Pakistan.

Appointed as **External Examiner** for conducting viva voce of M.Phil. & Ph.D. students at **CASVAB**, University of Balochistan, Quetta, Pakistan.

Appointed as **External Examiner** for conducting theory, practical examinations of undergraduate students at the Institute of Food Technology and Nutrition, Sindh Agriculture University, Tando jam, Sindh Pakistan.

Appointed as **External Examiner** for conducting of M.Phil. & Ph.D. Viva Voce examination at **CASVAB**, University of Balochistan, Quetta, Pakistan.

Conducted Ground water Analysis of *E.coli* and total coliforms on the request of Abdul Ghaffar & sons, Government Contractor for 132 kV Tando Bago Grid Station, Hyderabad, Pakistan.

INVITED as member of Development and Peer review of content for NTS databank by National Testing Service.

Appointed as **Member** of the Selection Board committee of the University of Sindh, Jamshoro, Pakistan to conduct interview for 02 posts of Assistant Professors in Microbiology.

2013

Appointed as **External Examiner** for assessment of 01 M.Phil. and 01 Ph.D. thesis of **CASVAB**, University of Balochistan, Quetta, Pakistan.

Appointed as **External Examiner** for assessment of 02 M.Phil. thesis of **CASVAB**, University of Balochistan, Quetta, Pakistan.

Appointed as **External Examiner** for paper setting of M.Phil. program in Molecular Biology of **CASVAB**, University of Balochistan, Quetta, Pakistan.

Appointed as **External Examiner** for assessment of 02 M.Phil. thesis and conduct of final viva voce examinations of the Institute of Food Technology & Nutrition, Sindh Agriculture University, Tandojam, Sindh, Pakistan.

Appointed as **External Examiner** for moderation of paper, copy assessment and conduct viva voce at the Department of Environmental Engineering, Mehran University of Engineering & Technology, Jamshoro, Pakistan.

Appointed as **External Examiner** to evaluate a final seminar of ME student of the Department of Chemical Engineering & Technology, Mehran University of Engineering & Technology, Jamshoro, Pakistan.

Appointed as **External Examiner** for assessment of 01 M.Phil. thesis and conduct of viva voce examination at **CASVAB**, University of Balochistan, Quetta, Pakistan.

Appointed as **Member** of the Selection Board Committee of the University of Sindh, Jamshoro, Pakistan to conduct interview for the post of Associate Professor in Microbiology

Appointed as **Member** of the Selection Board Committee of the University of Sindh, Jamshoro, Pakistan to conduct interview for the post of lecturer in Microbiology.

APPOINTED as **PROFESSOR** in the Department of Microbiology, University of Sindh Jamshoro, Pakistan.

Nominated the University of Sindh Jamshoro for **Panel of Examiners** for the screening / professional test conducted by the Federal Public Service Commission, Islamabad.

2014

Services up-graded from the **Chairman** to **Director of the Institute of Microbiology**, University of Sindh Jamshoro, Pakistan.

Appointed as **External Examiner** for assessment of 01 Ph.D. thesis and conduct of viva voce examination at **CASVAB**, University of Balochistan, Quetta, Pakistan.

Appointed as **External Examiner** of Biotechnology of the postgraduate students Mehran University of Engineering & Technology, Jamshoro, Pakistan.

Appointed as **External Examiner** for assessment of 01 Ph.D. thesis and conduct of viva voce examination of the Department of Chemical Engineering, Mehran University of Engineering & Technology, Jamshoro, Pakistan.

2015

Appointed as **External Examiner** for the conduct of examination papers and practical of BS-II and IV at the Institute of Food Technology & Nutrition, Sindh Agriculture University, Tandojam, Sindh, Pakistan.

Appointed as **External Examiner** for assessment of 01 M.Phil. thesis and conduct viva voce examination at the Department of Microbiology, Shah Abdul Latif University, Khairpur, Sindh, Pakistan.

Appointed as **Subject Specialist** for the Selection Board of the University of Haripur, Khyber Pakhtunkhwa.

Appointed as **External Examiner** for the assessment of 01 ME thesis and conduct viva voce examination of the Department of Chemical Engineering, Mehran University of Engineering & Technology, Jamshoro, Pakistan.

Appointed as **Expert** for the assessment of service profile of 02 faculty members of the Department of Microbiology, University of Balochistan, Quetta, Pakistan for their promotion to **Associate Professor**.

Appointed as **Expert** for the assessment of service profile of 01 faculty member of the Department of Microbiology, University of Balochistan, Quetta, Pakistan for their promotion to **Professor**.

Appointed as **External Examiner** for assessment of BE answer copies of Biotechnology subject of the Department of Chemical Engineering, Mehran University of Engineering & Technology, Jamshoro, Pakistan.

Appointed as **External Examiner** for assessment of BE answer copies and conducting viva voce at the Department of Chemical Engineering, Mehran University of Engineering & Technology, Jamshoro, Pakistan.

Appointed as **External Examiner** for assessment of BE answer copies of the Department of Environmental Engineering, Mehran University of Engineering & Technology, Jamshoro, Pakistan.

2016

Appointed as **External Examiner** for assessment of 01 M.Phil. thesis and conduct viva voce examination at the Department of Microbiology, Shah Abdul Latif University, Khairpur, Sindh, Pakistan

Appointed as **External Examiner** for assessment of 01 Ph.D. thesis and conduct viva voce examination at the Institute of Food, Nutrition and Technology at Sindh Agriculture University, Tandojam.

2017

Appointed as **External Examiner** for assessment of 01 M.Phil. thesis and conduct final viva voce examination at the Department of Microbiology, Shah Abdul Latif University, Khairpur, Sindh, Pakistan.

Appointed as **External Examiner** for assessment of 03 M.Phil thesis and conduct of viva voce examination at **CASVAB**, University of Balochistan, Quetta, Pakistan.

Appointed as **External Examiner** for assessment of 02 M.Phil thesis of the Department of Microbiology, University of Karachi, Karachi, Pakistan.

Appointed as **External Examiner** for the conduct of comprehensive examination of 02 Ph.D. students at the Institute of Food, Nutrition and Technology at Sindh Agriculture University, Tandojam.

Taught Microbiology I and II courses in 1st & 2nd semester, 2017 as part time faculty member at Center of Environmental Sciences, University of Sindh, Jamshoro, Pakistan.

2018

Appointed as **External Examiner** for assessment of 03 M.Phil thesis and the conduct of viva voce online) of the **CASVAB**, University of Balochistan, Quetta, Pakistan.

Appointed as **External Examiner** for evaluation of Ph.D. thesis and the conduct of of final viva voce examination of 01 Ph.D. students at the Institute of Food, Nutrition and Technology at Sindh Agriculture University, Tandojam.

Appointed as **External Examiner** for evaluation of Ph.D. thesis of **CASVAB**, University of Balochistan, Quetta, Pakistan.

Appointed as **External Examiner** for evaluation and conduct of final viva voce examination of 03 MS/M.Phil. students at the Institute of Microbiology, Shah Abdul Latif University, Khairpur, Sindh, Pakistan.

Appointed as **External Examiner** to conduct viva voce examination of BE students of the Department of Biomedical Engineering, Mehran University of Engineering & Technology, Jamshoro, Pakistan.

Appointed as **External Examiner** for assessment of 01 Ph.D. thesis and conduct of viva voce examination of the Institute of Food Nutrition and Technology, Sindh Agriculture University, Tandojam, Sindh, Pakistan.

Appointed as **External Examiner** to conduct comprehensive viva voce examination of 02 Ph.D. students of the Institute of Food Nutrition and Technology, Sindh Agriculture University, Tandojam, Sindh, Pakistan.

Taught Medical Microbiology & Immunology and Applied Microbiology (Minor Courses) to BS-I and II students 2018 (1st and 2nd semester) respectively as part time faculty member at Center of Environmental Sciences, University of Sindh, Jamshoro, Pakistan.

2019

Appointed as **External Examiner** for assessment of 01 M.Phil thesis of the **CASVAB**, University of Balochistan, Quetta, Pakistan

Appointed as **External Examiner** for assessment of 01 M.Phil thesis of the **Sardar Bahadur Khan Women's University**, Quetta, Pakistan.

Appointed as **External Examiner** for assessment of 01 M.Phil thesis of the **Jinnah University for women**, Karachi.

REVIEWED MANUSCRIPTS (2014).

- 1- **Evaluated a manuscript** PJAC-231209-03 of Pakistan Journal of Analytical and Environmental Chemistry, (NCEAC), University of Sindh, Jamshoro, Sindh, Pakistan.
- 2- **Evaluated a manuscript** on solubilization of phosphate in the rhizosphere of wheat of National Institute of Agriculture, Sindh Agriculture University, Tandojam, Sindh, Pakistan.
- 3- **Evaluated a manuscript** on Production and Purification of Pyocin from a Soil Associated *Pseudomonas Aeruginosa* Strain SA 188, of Pakistan Journal of Agricultural Sciences, University of Agriculture, Faisalabad, Pakistan (No. PJAS: 2108).
- 4- **Evaluated a manuscript** on Pesticide Lambda-Cyhalothrin Degradation By *Mesorhizobium Sp.* (S_{1b}) And *Bartonella Elizabethae* (S_{2b}) Strains Isolated From Cotton Crop.

REVIEWED RESEARCH PROJECTS (2015)

- a- Value addition of agro-residues for alpha-amylase production through bioconversion of University of Agriculture Faisalabad, Punjab, Pakistan.
- b- Production of Isoprenoid Advanced Biofuels on Synthetic Biology and Metabolic Engineering of University of Sargodha, Punjab, Pakistan.
- c- Bioassay screening, standardization and phytochemical investigation of *Desmodium podocarpum* of University of Peshawar, Khyber Pakhtoon Khwa, Pakistan.
- d- Value addition of agro-residues for alpha-amylase production through bioconversion

REVIEWED RESEARCH PROJECTS (NRPU-2016)

Reviewed **18 research projects** of National Research Program for Universities (**NRPU**) as peer reviewer; appointed by Higher Education Commission (HEC), Islamabad, Pakistan.

- 1) Integrated micro algal cultivation for environmental remediation and bioenergy production
- 2) Elucidation of Larvicidal Effects of Metallic Nano-Particles against Vectors causing Malaria and Dengue Fever.
- 3) Treatment of iron mine tailing with iron oxidizing bacteria and sesbania sesdan plant in lab and field scale.
- 4) Formulation and commercialization of a Biodetergent using psychrotolerant undustrial enzymes
- 5) Assessment of water soluble derivatives of chlorophyll as potential photosensitizers for drinking water disinfection
- 6) Biotechnological explorations of bacterial extremophiles for industrially important enzymes
- 7) Evaluation of Blood Brain Barrier permeability and Neurotoxicity of Pyocyanin during *P. aeruginosa* infection and Development of Anti-PCN Therapeutic Approaches

- 8) Preclinical Studies of Antibacterial Nano-carriers (ATNs); Real Time Effect of the ATNs on Bacterial Colonization
- 9) Enhancement of methane production in two stage anaerobic digestion by a novel process using recirculation off biogas along with hydrogen supply
- 10) Development of microbial enzyme based biosensors for monitoring pollutants in industrially linked agricultural areas
- 11) Design, fabrication and performance evaluation of bio-filters: biofilm-based industrial effluent treatment systems for the treatment of sugar mill effluents (smes)
- 12) Metagenomic analysis of biomedical waste: a potential source of disseminating multi-drug resistance in the environmental microbiome
- 13) Synthesis of biodegradable bio plastics using animal, plant and microbial based raw materials
- 14) Development of epigenetic biomarkers for early detection of nasopharyngeal carcinoma in Baluchistan
- 15) Molecular characterization and epidemiology of extended-spectrum β -lactamase (esbl)
- 16) Controlling the virulence of pathogenic bacteria by local medicinal plants
- 17) Oil degrading and bio surfactant producing bacterial strains: their impact on environmental cleanup
- 18) Molecular and biochemical studies of rhizobial strains to Improve growth and yield of chickpea.

REVIEWED RESEARCH PROJECTS (NRPU-2017-18)

Reviewed **14 research projects** of National Research Program for Universities (**NRPU**) as peer reviewer; appointed by Higher Education Commission (HEC), Islamabad, Pakistan.

- 1) Value addition of agro-residues for alpha-amylase production through bioconversion of University of Agriculture Faisalabad, Punjab, Pakistan.
- 2) Production of Isoprenoid Advanced Biofuels on Synthetic Biology and Metabolic Engineering of University of Sargodha, Punjab, Pakistan.
- 3) Bioassay screening, standardization and phytochemical investigation of *Desmodium podocarpum* of University of Peshawar, Khyber Pakhtoonkhwa, Pakistan.
- 4) Drug Resistance Profiling of Antagonistic Bacteria and Molecular Insight into their Respective Mechanisms to Select Eco-Safe Ingredients of Biopesticide.
- 5) Microbial assisted phytoremediation of polybrominated diphenyl ethers from contaminated soil.
- 6) Biodegradation potential of cellulytic bacteria isolated from termite gut for organic waste management.
- 7) Removal of Heavy Metals by Metallo-Resistant Microorganisms and Development of Microbial Sensor Cell System to Monitor Cadmium and Mercury in the Environment.
- 8) Development of diagnostic biomarker for circulating varicella strains in Pakistan.

- 9) Nitrogen removal and bioelectricity production from industrial wastewater through anammox up-flow microbial fuel cell process integrated degradation processes for chlorinated pesticides in aqueous media.
- 10) Transforming food waste into commercializable polyhydroxyalkanoates.
- 11) Identification of air pollutants effects, cultivated community mobilization coupled with initiatives in Abbottabad and Hattar industrial estate.
- 12) Utilization of poultry feather waste by keratinases producing microorganisms for production of sustainable value-added products and biogas.
- 13) Screening of the bacterial community structure in a biofloc technology (BFT) based aqua culture of ctenopharyngeodon idella under varying low cost wastes as C source.
- 14) Reviewed annual report of NRPU project Molecular and biochemical studies of rhizobial strains to improve growth and yield of chickpea.

CONTRIBUTIONS (Trainings / Conferences / Symposia / Seminars attended)

- 1989** **8th Pre service training** at NAHE-U.G.C. Islamabad, Pakistan.
- 4th regional workshop on cloned gene products** (a DNA recombinant technology) at the Centre for Advanced Molecular Biology (CAMB, now CEMB), University of the Punjab, Lahore, Pakistan
- 1994** **22nd Postgraduate training** course at National Institute of Agriculture and Biology (NIAB), Faisalabad, Pakistan.
- 6th National Chemistry Conference** at Shah Abdul Latif University, Khairpur, Sindh, Pakistan.
- 1996** **Delivered a seminar** on “Merits and demerits marine microorganism” at Quaid-i-Azam University, Islamabad.
- 7th International Symposium** on Non-Legumes (BNF) at National Institute of Biotechnology and Genetic Engineering (NIBGE), Faisalabad, Pakistan.
- 1997** **Presented poster** in second international biennial conference of Pakistan Society for Microbiology (SIBC-PSM) at Bhurbhan, Pakistan, in September 24-26, 1997.
- Lecture series** on Rational approach to the treatment of male infertility at Quaid-i-Azam University, Islamabad, Pakistan.
- Post PSM workshop** on Tissue culture techniques: Viral isolation and characterization at National Institute of Health, Islamabad, Pakistan
- Inaugural International Conference** on Genetics of Pakistan Genetical Society, National Agriculture Research Center, Islamabad, Pakistan.
- 4th LMC Symposium** on Globalization of Health, Care a Multisectorial approach at Liaquat Medical College, (now Liaquat University of Medical and Health Sciences), Jamshoro, Pakistan.
- 1999** **6th Congress** of Asia Pacific Association of Societies of Pathologists (APASP) and 23rd Annual conference of Pakistan Association of Pathologist (PAP) at the Aga Khan University, Karachi, Pakistan.

- 2000** **Workshop** on the technology for products development from medicinal plants at Haji Ebrahim Jamal (H.E.J) Research Institute of Chemistry, Karachi, Pakistan
- 6th National Symposium** on Analytical and Environmental Chemistry at National Center of Excellence in Analytical Chemistry (NCEAC), University of Sindh Jamshoro, Pakistan.
- Dental Symposium** at Jinnah Medical and Dental College, Karachi, Pakistan.
- 2002** **2nd International and 12th National Chemistry Conferences** at at National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan.
- In-service training program** of *Biotechnology* at University of Sindh Jamshoro, Pakistan.
- National Health Sciences Research Symposium** on Early Childhood Care and Development at the Aga Khan University, Karachi, Pakistan.
- 2003** **7th National Symposium** on Analytical and Environmental Chemistry at the University of Sindh Jamshoro, Pakistan.
- Pakistan-Bangladesh-Iran International Seminar** on Analytical Sciences at National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan.
- 1st International and National Symposium** on Biotechnology at University of Sindh, Jamshoro, Pakistan.
- Presented poster** in the 9th International Symposium on Natural Product Chemistry at International Center for Chemical Sciences, H.E.J. Institute of Chemistry, University of Karachi, Pakistan.
- 2004** **In-service training program** of Biochemistry at the University of Sindh, Jamshoro, Pakistan.
- 2005** **Presented research article** (poster) in 9th International Symposium on Natural Product Chemistry at H.E.J. Institute of Chemistry, University of Karachi, Pakistan.
- 5th International Biennial Conference** of Pakistan Society for Microbiology, Karachi, Pakistan.
- University-Industry Interaction Seminar** on Prospects of University Research for the Development of Oil and Soap Industry at National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan.
- 8th Symposium** on Analytical and Environmental Chemistry at National center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan.
- Pre-symposium workshop** on Continuous Quality Improvement in Health Sciences Education at the Aga Khan University, Karachi, Pakistan.
- 10th National Health Sciences Research Symposium** on Health Sciences Education Trends, Opportunities and Challenges at the Aga Khan University, Karachi, Pakistan.
- Presented poster** in 3rd International Symposium on Biotechnology at the University of Sindh of Sindh Jamshoro, Pakistan.
- Presented poster** in International Conference on Environmental Horizons at the Department of Chemistry and International Center for Chemical sciences, University of Karachi, Pakistan.
- 2006** **1st International Conference** on Informatics and Biotechnology at Balochistan University of Information Technology and Management Sciences, Quetta, Pakistan.

National Workshop on Biotechnology Training Activities in Allergy Vaccines Development in Pakistan at Dr. Panjwani Center for Molecular Medicine & Drug Research, University of Karachi.

Successfully completed on-line examination on Human Participant Protections Education for Research of National Cancer Institute, U.S. National Institute of Health during National Workshop on Biotechnology Training Activities in Allergy Vaccines Development in Pakistan at Dr. Panjwani Center for Molecular Medicine & Drug Research, University of Karachi.

Workshop on “Advances in Mycology” at the Institute of Botany, University of Sindh, Jamshoro.

2007 **1st International symposium** and workshop-cum-training course on Molecular Medicine and Drug Research at Karachi and Islamabad.

1st National workshop on “Food Processing” at the Chemical Engineering Department, Mehran University of Engineering and Technology, Jamshoro.

6th International Biennial Conference of Microbiology at Quaid-i-Azam University, Islamabad.

2nd International Seminar on Analytical Sciences at University of Sindh Jamshoro.

4th International Symposium and 1st Pakistan-China-Iran Conference on Biotechnology, Bioengineering and Biophysical Chemistry at University of Sindh, Jamshoro.

2008 **Invited as Resource person** in the 2nd National workshop on techniques in Molecular Biology, Bioinformatics and Vaccinology at Center for Advanced Studies in Vaccinology and Biotechnology, University of Balochistan, Quetta, Pakistan.

2009 **Attended 5th International Symposium** on Biotechnology at Institute of Biotechnology & Genetic Engineering, University of Sindh Jamshoro, Pakistan.

Attended 1st National Conference of Microbiology at Shah Abdul Latif University, Khairpur, Sindh Pakistan.

Attended one day seminar on Recovery of Value Added Products from Waste at the Department of Chemical Engineering, Mehran University of Engineering & Technology, Jamshoro in collaboration of the Institute for the Environment, Brunel University, UK.

2012 Invited as a Resource Person to deliver a talk on “**Microbes: The Need of Today**” in 1st National Symposium on New Horizons of Microbiology (***Steps of Microbes on the Ladder of Life***) at Fedral Urdu University of Arts, Science and Technology, Karachi, Pakistan.

2013 Attended **HEC International workshop on curriculum development** at the Department of Environmental Sciences, University of Karachi, Karachi, Pakistan.

Attended **16th PHL Annual Symposium** “Hypertension encountering the silent killer “.

Successfully completed **ASM-KU National Microbiology Teachers Training Workshop** at Karachi-University Bioresource Center, University of Karachi, Karachi, Pakistan.

2014 Successfully completed **International workshop on modern techniques in structural biology** at Dr. Panjwani Center for Molecular and Drug Research (International center for Chemical and Biological Sciences), University of Karachi, Karachi, Pakistan.

Invited as a **Guest Speaker** to deliver a talk on “**Microbial Technology**” with emphasis of the future development of Pakistan” at Sargodhian Spirit Public School, Rashidabad, Tando Allahyar, Sindh Pakistan.

- 2016** Attended 13th annual conference of Medical Microbiology and Infectious Disease Society 25-26th March, 2016 at Lahore.
- Invited as “**Visiting Speaker**” in Guest Hour to deliver a talk on Applications of Biotechnology and Applied Sciences at the Department of Chemical Engineering, Mehran University of Engineering & Technology, Jamshoro, Pakistan.
- Invited as “**HEC-Resource Person**” to deliver a talk on Biotechnology in prospective of disease diagnosis and vaccine development at the Center for Advanced Vaccinology and Biotechnology (**CASVAB**), University of Balochistan, Quetta, Pakistan.
- Presented Poster** on Frequency of the occurrence of MRSA infections in 13th Medical Microbiology & Infectious Disease Conference 25-26 March at Lahore.
- Attended** 4th International LUMHS Dental Conference 28-29, October, 2016.
- 2017** Appointed as **External Examiner** for assessment of 01 M.Phil. thesis and conduct final viva voce examination at the Department of Microbiology, Shah Abdul Latif University, Khairpur, Sindh, Pakistan.
- Appointed as **External Examiner** for assessment of 03 M.Phil. thesis and conduct of viva voce examination of the Department of Microbiology / Center for Advanced Vaccinology and Biotechnology (CASVAB), University of Balochistan, Quetta, Pakistan.
- Appointed as **External Examiner** for assessment of 02 M.Phil. thesis examination of the Department of Microbiology, University of Karachi, Karachi, Pakistan.
- Invited as **Guest Speaker** to talk on “Environmental Issues” on Earth Day Celebration on 18th April, 2017 at the Institute of Environmental Engineering, Mehran University of Engineering & Technology, Jamshoro, Pakistan.
- Invited as **Guest Speaker** to talk on “Biotechnology of genetically modified foods” during three days training workshop on Bio & Food Processing from 23-25th August, 2017 at the Institute of Environmental Engineering, Mehran University of Engineering & Technology, Jamshoro, Pakistan.
- Participated** in 3-day interactive skill development workshop on quality assurance procedures, plagiarism and advanced ICT skills for researchers from 2-4 August, 2017 at University of Sindh, Jamshoro, Pakistan.
- Invited** as “**Key note speaker**” to deliver a talk on “Food Microbiology and Biotechnology” in 11th International Conference of Pakistan Society for Microbiology “Applied Microbial Genomics in Public Health, Food, Pharma and Agriculture 18-20 December, 2017 at Bahahuddin Zakariya University Multan, Pakistan .
- Attended** 11th International Biennial Conference of Pakistan Society for Microbiology “Applied Microbial Genomics in Public Health, Food, Pharma and Agriculture 18-20 December, 2017 at Bahahuddin Zakariya University Multan, Pakistan.
- Chaired** a full session in 11th International Conference of Pakistan Society for Microbiology “Applied Microbial Genomics in Public Health, Food, Pharma and Agriculture 18-20 December, 2017 at Bahahuddin Zakariya University Multan, Pakistan.

Invited as Reviewer of Journal of Liaquat University of Health and Medical Sciences (JLUMHS).

2018 **Submitted research project** on “Emergence of the risk factors of life threatening bacterial and viral diseases and multidrug resistance bacteria in Hyderabad division” in NRPU-2018.

2019 **Presented** research article “Antibacterial activity of *Momordica charantia* L. and *Citrus limon* L. on Gram positive and Gram negative bacteria” in 12th International Conference of Pakistan Society for Microbiology February 20-22, 2019 at Abbottabad University of Science and Technology, Abbottabad.

Delivered a key note a talk on “Epidemiological studies and prevalence of Nosocomial Candidiasis in Khairpur District” in 12th International Conference of Pakistan Society for Microbiology February 20-22, 2019.

REVIEWED RESEARCH PROJECTS (2017)

2017 Molecular and serological study of Caprine and Ovine Brucellosis in District Peshawar”.

2018 Microbial cellulases production, applications and challenges.

Isolation and characterization of bacteria isolated from the rice crop in lower Sindh.

EXPERIENCE

1999 Worked as Supervisor in the Diagnostic and Research Laboratory, Department of Microbiology, Shah Abdul Latif University, Khairpur, Sindh, Pakistan (SALU-KSP).

1987-1990 In-charge Departmental Seminar Library for four years at (SALU-KSP).

1987-1994 In-charge Pakistan Study Tours of Department of Microbiology, (SALU-KSP).

1992-1994 Ex-Officio (Quiz & debates) of the Department of Microbiology, (SALU-KSP).

1997-1999 In-charge, scientific store of the Department of Microbiology, (SALU-KSP).

1999 Arranged a blood donation camp with the collaboration of Khairpur Health Education & Environmental Society (KHEES), Khairpur and the Diagnostic and Research Center of Microbiology Department (SALU-KSP).

1999-2001 In-charge Seminar Library, Laboratories, Ex-officio activities of the Department of Microbiology, University of Sindh, Jamshoro, Pakistan **during deputation period** (1999-2001) at University of Sindh, Jamshoro.

EVENTS ORGANIZED

2005 Organized **1st National Symposium on Microbiology** “Microbes: Foes or Friends” as Organizing Secretary at the University of Sindh Jamshoro Pakistan from 19-20 April, 2005.

2010

Organized **2nd National Symposium on Microbiology** “New Trends and Advancement in Microbiology” as Organizing Secretary at University of Sindh Jamshoro from 18-20th March 2010.

COURSES TAUGHT TO

GRADUATE STUDENTS

- 1) General Microbiology
- 2) General Immunology
- 3) Microbial Taxonomy
- 4) General Virology
- 5) Soil Microbiology
- 6) Mycology
- 7) Environmental Microbiology
- 8) Industrial Microbiology
- 9) Microbial Anatomy & Physiology
- 10) Medical Bacteriology
- 11) Dermatology (Mycosis)
- 12) Food & Dairy Microbiology
- 13) Clinical Bacteriology
- 14) Epidemiology
- 15) Pharmaceutical Microbiology
- 16) Research Methodology
- 17) Fundamentals & Applications of Biotechnology
- 18) Introductory Microbial Technology
- 19) Microbial Enzyme Technology.

MS / M.PHIL. & PH.D. STUDENTS

- 1) Environmental Biotechnology
- 2) Applied Biotechnology
- 3) Environmental Science and Management
- 4) Microbial Biotechnology
- 5) Infectious Disease Epidemiology
- 6) Clinical Laboratory Technology
- 7) Advances in Food & Fermentation Technology
- 8) Project Report & Thesis Writing
- 9) Infectious Diseases, Management and Safe Practices

RESEARCH PUBLICATIONS

- 1- **Noor, A. A.** and Hameed, A. 1996. Three dimensional screening of fermentation yeast *S.cerevisiae* strain AAN-2. J.Sc. & Technol. 2: 1-7.
- 2- **Noor, A. A.** and Hameed, A. 1997. Yeast bioconversion of glucose from molasses to ethanol by *S.cerevisiae*. J.Biochem. & Mol.Biol. 2(1): 97-103.
- 3- **Noor, A. A.** and Hameed, A. 1998. A multistep optimization for maximum growth of *S.cerevisiae* strain ASN-3: A three-in-one approach. Scientific Sindh 5: 1-8.
- 4- **Noor, A. A.** and Hameed, A. 1999. Caliberative studies of baker's yeast on magnesium sulfate (monohydrate), sodium chloride, potassium chloride, ammonium sulfate, sodium nitrate, sodium nitrite supplemented in malt medium. Hamdard Medicus, vol. XLII(1): 59-62.
- 5- **Noor, A. A.** and Hameed, A. 1999. Effect of various concentrations of different chemicals on industrially important yeast *S.cerevisiae* strain KA-1 & AAN-2. Scientific Khyber 12(1):111-115.
- 6- **Noor, A. A.** and Hameed, A. 1999. Optimization studies for bioconversion of corn steep liquor to ethanol by *S.cerevisiae* strain KA-1 & AAN-2. Pak. J. Biol. Sc. 2(1):137-140.
- 7- **Noor, A. A.**, Hameed, A. and Ghumro, P.B. 1999. The 96 hours multistep screening of sugar fermentation yeast *S.cerevisiae* strain KA-1. J. Pure & Appl. Sc. 18(1): 22-33.
- 8- **Noor, A. A.** and Hameed, A. 2000. Viability and growth rate of gram positive, sporing and gram negative non-sporing bacteria. A compact contemplation. Hamdard Medicus, vol. XLIII, 95-101.
- 9- Mahar, M. A., Jafri, S. I. H., Leghari, S. M., Khuhawar, M. Y. and **Noor, A. A.** 2000. Studies on fresh water poisonous planktonic Cyanobacteria (*Blue Green Algae*) of Manchar lake Dadu, Sindh –Pakistan. Pak. J.Biol.Sc. 3(11): 1973-1975.
- 10- **Noor, A. A.**, Maka, G. A., Mahar, M. A., Parveen, K. and Hameed, A. 2001. Baker's yeast strain HA-4 and the growth parameters. Pak. J. Biol. Sc., vol. 4(6): 561-571.
- 11- Ghumro, P. B., **Noor, A. A.** and Hameed, A. 2001. A Multidimensional study of protease producing *Bacillus subtilis* strain M1 & M2; in Hamdard Medicus, vol. XLIX(4): 97-102.
- 12- **Noor, A. A.**, Tunio, S. A., Bhutto, M. A., Abro, G. M., Bhand, A. A., Fatima, K., Afsheen S., Javeria, K. and Afghan, R. 2002. *In vitro* investigation of *E.coli* (Wild strain): A classical approach. Hamdard Medicus, vol. XLVI (2): 107-115.
- 13- **Noor, A. A.**, Hameed, A., Parveen, K. and Tunio, S. A. 2003. Bio-ethanol fermentation by the bioconversion of sugar from dates by *Saccharomyces cerevisiae* strains ASN-3 and HA-4. Journal of Biotechnology (Int.) 2(1): 8-17.
- 14- **Noor, A. A.**, Hameed, A. and Bhutto, M. A. 2005. Enhanced growth biotechnology of yeast for alcoholic fermentation in Journal of Biotechnology (Int.), 4(1): 69-72.

- 15- Rind, S. A., **Noor, A. A.**, Zardari, M. and Mangi, A. A. 2005. Some studies of physico-chemical and biological properties of soil of Taluka Ratto Dero, District Larkana in Pak. J. Biol. Sc. 8(1): 156-159.
- 16- **Noor, A. A.**, Memon, M. J., Mahar, M.A. and Rind, S. A. 2005. A routine analysis of fresh water and water logged area of Manchar Lake. Hamdard Medicus, vol. XLVII(4): 105-108.
- 17- Rind, S. A., Zardari, M. and **Noor, A. A.** 2005. Isolation, Identification and occurrence of medically important keratinophilic fungi from soil of Taluka Dokri, District Larkana, Sindh, Pakistan. Hamdard Medicus, vol. XLVII(4): 40-44.
- 18- Mako, G. A. and **Noor, A. A.** 2006. Antibacterial activity of ethanolic extracts of *Lippia nodiflora* of Khairpur Mirs, Sindh, Pakistan. Sindh Univ. Res. Jour. 38(2): 1-4.
- 19- **Noor, A. A.** and M. U. Dahot. 2008. Optimization studies of yeast feed for enhanced growth for ethanol production by shake flask method. Sindh Univ. Res. Jour. (Science Series) Vol. 40(2): 41-50.
- 20- **Agha Asad Noor**, Abdul Ghaffar Memon and Sikander Khan Sherwani 2011. Dose response curve of plants extracts against the human pathogens. Gomal University Journal of Research, 27(2): 1-17.
- 21- **Noor, A. A.**, Hameed, A. and Dahot, M.U. 2012. Yeast Feed (II) for enhanced growth for ethanol production. Sindh University Research Journal (Science Series) 44: (1): 97-104.
- 22- Sikander Khan Sherwani, Kanwal Nazim, Tariq Mehmood Khan, Moinuddin Ahmed, Muhammad Wasif Malik, **Agha Asad Noor**, Muhammad Uzair Khan, Qadeer Muhammad Ali and Syed Iqbal Alam 2012. Phytochemical and antibacterial screening of crude extract of *Sargassum tenerrium* J. *Agartha* against potential human pathogens. FUUAST Journal of Biology, Vol 2(2): 65-68.
- 23- **Noor, A. A.**, Kanher, N. A. and Shah, F. A. 2013. Microbial efficacy of phosphate solubilization in agro-saline soils of various areas of Sindh region. Mehran University Research Journal of Engineering & Technology 32(2): 167-174
- 24- Muhammad Ilyas, Muhammad Waqar, Muhammad Arif Khan, irfan Saif, Waqar Ahmed, Shah Faisal, Shaikh Faisal Junaid, Shaista Bano Memon, Tauseef Ahmed, Muhammad Wasim, Asadullah Khan, **Agha Asad Noor** and Noor ul Akber **2014**. Epidemiological study of HCV genotypes circulated in different regions of Pakistan: A Lab based study. Int. J. BioSci. 4(1): 477-483.
- 25- Noor ul Akber, Sultan Ayaz, Shafiqur Rahman, Sanaullah Khan, Shahid Niaz Khan, **Agha Asad Noor**, Bibi Ibtesam Shagufta, Farzana Raza and Muhammad Waqar **2014**. Molecular detection of *Entamoeba histolytica* in different water sources of district Peshawar, Pakistan, Annual Research & Review in Biology 4(9): 1461-1470.
- 26- Habib-ur-rehman, Muhammad Waqr, Muhammad Wasim, Asadullah Khan, **Agha Asad Noor**, tauseef Ahmed, Niyaz Ali, Tariq Shah, Faisal, Zeeshan Niaz, Shaista Bano Memon, Noor-ul-Akber, Mubarak Zeb, Effa Khan, Aisha Sheikh. **2014**. Molecular detection of the Hepatitis C virus

- genotypes circulating among both sexes of Khyber Pakhtunkhwa Pakistan, Asian Journal of Medical Sciences, 5(2): 1-5.
- 27- Mubarak Zeb, Ali Shariq, Muhammad Waqr, Sabir Hanif, Muhammad Ilyas Khan, Shah Faisal, Waqar Ahmed, Irfan Saif, Faisal Iqbal Afridi, Ghulam Murtaza, Badar Jehan farooqi, **Agha Asad Noor**, Rahimullah. **2014**. Emergence of carbapenems resistance in *Escherichia coli* isolated from different clinical samples at University Hospital of Pakistan. International Journal of Biosciences 4(3): 74-79.
 - 28- Muhammad Waqar, Habib-ur-Rehman, Asadullah Khan, **Agha Asad Noor**, Amjad Ali, Muhammad Wasim, Muhammad Idrees, Zobia Ismail, Zeeshan Niaz, Noor ul Akber and Muhammad Tariq. **2014**. Frequency distribution of Hepatitis C virus genotypes in district Karachi, Pakistan. Journal of Gastroenterology and Hepatology Research 3(4): 937-40.
 - 29- Saba Muneer, Shahabuddin Memon, Qadeer Khan Panhwar, Faryal Khushik, Tahira Sarwar Khokhar and **Agha Asad Noor**. **2015**. Synthesis and antimicrobial activity of p-tetranitrocalix [4] arene derivative. Journal of Analytical and Environmental Chemistry 36 (4): 554-563 DOI: 10.1080/10406638.2015.1033432.
 - 30- Nazir A. Brohi, **Agha Asad Noor**, Shaista Bano Memon, and Sarfraz A. Tunio. 2016. Epidemiological studies of potent environmental pathogen: *Streptococcus pneumoniae*. Pak. J. Anal. Environ. Chem. 17(2): 170-174. <http://doi.org/10.21743/pjaec.v17i2.268>.
 - 31- Sayed Zaheer Abbas, **Agha Asad Noor** and Tanveer Abbas. **2016**. Antibacterial Activities of Coriander (*Coriandrum Sativum*) and Mint Spp. (*Mentha Arvensis*) Extracts Against *Staphylococcus Aureus*, *Escherichia Coli* and *Salmonella Enteritidis*". The Pharmaceutical and Chemical Journal, 3(1):178-182.
 - 32- Bakht Biland, Muhammad Waqar, Muhammad Wasim, Zobia Rehman, **Agha Asad Noor**, Shahzera Mukhtar, Qazi Shah Rukh and Noor ul Akbar. **2016**. Evaluation of alpha-fetoprotein in patient with chronic hepatitis C infection by using ELFA technology. International Journal of Biosciences 9(4): 176-181.
 - 33- Nazir Ahmed Brohi and **Agha Asad Noor**. **2017**. Frequency of the occurrence of *Methicillin Resistant Staphylococcus aureus* MRSA Infections in Hyderabad. Pak. J. Anal. Environ. Chem. 18 (1): 84 – 90.
 - 34- Nazir Ahmed Brohi, **Agha Asad Noor** and Muhammad Ashraf Sial. **2017**. Dose response curve of various plant extracts on G+ve and G-ve bacterial isolates. Pak. J. Biotechnol. 14(2): 205-20
 - 35- Barkat Ali Solangi, Hafiz Rub Nawaza, Uzma Nadeema, Beena Zehraa and **Agha Asad Noor**. **2017**. Optimisation of Production condition of alkaline protease using indigenous *Bacillus subtilis* from agricultural soil. Pak. J. Sci. Ind. Res. Ser. B: Biol. Sci. 61 B (1): 42-46.

ARTICLE SUBMITTED FOR PUBLICATION

- 1- Sikander Khan Sherwani, Kanwal Nazim, **Agha Asad Noor**, Aisha Irshad, Syed Anil Gilani, Tariq Mehmood Khan, Moinuddin Ahmed and Muhammad Uzair Khan. Antioxidant and antifungal potential of crude extract of *Sargassum tenerrimum* J. Agardh. **ACCEPTED for publication in the FUUAST Journal of Biology.**
- 2- Shafique A. Rind, Fateh Muhammad Soomro, **Agha Asad Noor**. Yeast biomass production for high yield of bioethanol using molasses and fermentation medium as substrates in Pakistan Journal of Analytical and Environmental Chemistry, University of Sindh, Jamshoro.
- 3- Sagheer Hussain Shah and **Agha Asad Noor**. Serodiagnostic investigation of syphilis in Taluka Gambat in the RADS Journal of Biological Research and Applied Sciences. Karachi.
- 4- Frequency of bacterial and viral infections in the environment of different areas of Karachi in Pakistan Journal of Analytical and Environmental Chemistry, University of Sindh, Jamshoro.
- 5- Antibacterial activity of *Momordica charantia* L. and *Citrus limon* L. on gram positive and gram negative bacteria.

ABSTRACT ACCEPTED for poster presentation In 12th International Biennial Conference of Pakistan Society for Microbiology 20-22 February, 2019 (TIBC-2019) at Abbottabad.

1. Noor-Un-Nisa, Maryam Nawaz, Kashaf Sarwer and **Agha Asad Noor**. Detection of extended spectrum beta lactamase (ESBL) among gram negative clinical isolates from hospital associated (HA) strains at Hyderabad, Sindh.
2. Ali Raza, Fatima Shahid and **Agha Asad Noor**. Some studies of antibacterial activity of *Syzygium aromaticum* (clove) and *Laurus nobilis* (kamal pata) on *E.coli* and *Pseudomonas aeruginosa*.
3. Shafique A. Rind, Fateh Muhammad Soomro, **Agha Asad Noor**. Yeast biomass production for high yield of bioethanol using molasses and fermentation medium as substrates.

POSTER PRESENTED IN TIBC-2019

- 1- Salman Ahmed, L. Tariq and **A. A. Noor**. Some studies on antibacterial activity of *Coriander sativum* L. and *Mentha arvensis* L. on *Bacillus cereus*, *Lactobacillus bulgaricus*, *Pseudomonas aeruginosa* and *Klebsiella pneumoniae*.

ORAL PRESENTATION IN TIBC-2019

- 1- **Agha Asad Noor** and Zaheer Ahmed. Antibacterial activity of *Momordica charantia* L. and *Citrus limon* L. on gram positive and gram negative bacteria.