

## CURRICULUM VITAE

### PERSONAL

**NAME** DR. ABDUL HALEEM SHAH  
**FATHER'S NAME** Umer Shah  
**DATE OF BIRTH** 09-02-1965  
**DOMICILE** Bannu (N.W.F.P)  
**NATIONALITY** Pakistani  
**MARITAL STATUS** Married  
**MAILING ADDRESS** Department of Biological Sciences  
 Gomal University, Dera Ismail Khan,  
 KPK Pakistan.  
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### ACADEMIC QUALIFICATION

Degree	Year	Institution	Division/Grade	Specialization
Ph.D.	1999	Quaid –i- Azam University Islamabad		Microbiology
M.Sc	1989	Gomal University Dera Ismail Khan.	First Division	Chemistry (Biochemistry)
B.Sc	1986	Gomal University Dera Ismail Khan.	First Division	Chemistry, Zoology, Botany
F.Sc	1984	B.I.S.E Peshawar	2 <sup>nd</sup> Division	Pre-Medical Group
S.S.C	1981	B.I.S.E Peshawar	First Division	Science Group

### AWARDS:

- (1) First Class First (**Gold Medal**) In M.Sc
- (2) Merit Scholarship In M.Sc.

**Ph.D. (i). Research work:** Studies on the Microbial Production of Lysine

**(ii). Course Work:** Microbiology, Molecular Endocrinology, Nucleic acid, Vitamin & Hormone, Biochemistry and Cytogenetics.

**PRESENT POSITION:** Professor BPS 21& Chairman.

**PUBLICATION:** 23(List Attached)

**FIELD OF STUDY:** Biochemistry, Microbiology and Biotechnology.

**TEACHING/RESEARCH/EXPERIENCE:** Since 06-02-1990

Teaching Microbiology, Immunology, Nutrition, Physiology, Cell Biology, Endocrinology, Molecular Biology & Biotechnology and Supervising Research and Practical leading to M.Sc, M. Phil & PhD Degree.

**EXPERIENCE:**

**1. Professor BPS-21**

Teaching and Research in the Department of Biological Sciences  
Gomal University D.I.Khan, Pakistan from 4-12-2008 till to date.

**2. Assistant Professor BPS-19**

Teaching and Research in the Department of Biological Sciences  
Gomal University D.I.Khan, Pakistan from 1-1-2007 to 3-12-2008.

**3. Assistant Professor BPS-18**

Teaching and Research in the Department of Biological Sciences  
Gomal University D.I.Khan, Pakistan from 17-01-2004 to 31-12-2006

**4. Lecturer BPS-18**

Teaching and Research in the Department of Chemistry Gomal  
University D.I.Khan, Pakistan from 19-01-2002 to 16-01-2004.

**5. Lecturer BPS-17**

Teaching and Research in the Department of Chemistry Gomal  
University D.I.Khan, Pakistan from 06-02-1990 to 18-01-2002.

**6. Administrative Experience**

(1) **Chairman** Department of Biological Sciences Gomal University  
D.I.khan. w.e.f 4-2-2009 till to date.

(2) **Assistant to Dean of Sciences** w.e.f 3-6-2008 to 3-2-2009.

(3) As a **warden** of University Hostel w.e.f. 22-02-2000 to 17 -05-2005.

**7. HEC approved PhD supervisor** Since September 13,2007

**TRAINING:**

Qualified Postgraduate Training Course held in November 10-21, 1997 at Nuclear  
Institute for Agriculture and Biology (NIAB) Faisalabad , Pakistan.

**Ph.D thesis Supervised.** : 01 (List Attached)

MPhil theses supervised 03 list attached

**M.Sc Theses Supervised:**           **06**       (List Attached)

**Supervising** on Going Research Leading to Ph.D Degree **03** (List Attached)

**Supervising** on Going Research Leading to MPhil Degree **03** (List Attached)

**Examiner/Referee :**

- 1.Examiner for the award of M.Phil/Ph.D Degree Quaid-e-Azam 2.University Islamabad.
- 2.Kohat University of science and technology Kohat
- 3.UST BANNU.

**Referee for the evaluation of publications:**

The Journal of the Chemical Society of Pakistan

The Journal of Science Technology Development

And foreign journals

**LANGUAGES:**     ENGLISH, URDU, PASHTO

**RESEARCH WORK PRESENTED IN CONFERENCE / SYMPOSIA:**

- 1) **A. Haleem Shah** and A. Hameed, 1997.  
Lysine production by triple auxotrophic mutant of *Corynebacterium glutamicum*,  
Second International Biennial Conference of Pakistan Society for Microbiology them,  
Microbe, Health and Environment held in Bhurban Pakistan September 24-26, p.78.
- 2) **A. Haleem Shah** and A. Hameed 1997.  
Development of Lysine Producing mutant of *Corynebacterium glutamicum*, First  
national Symposium on Biotechnology for sustainable Development, held in Govt.  
College Lahore, Nov, 24-25, p.51.
- 3) **A. Haleem Shah** and A. Hameed 1998.  
Development of Threonine Auxotrophic Mutant From Thialysine resistant Mutant for  
Lysine Production, Industrial and Environmental Biotechnology , Third International  
Symposium On Genetic Engineering and Biotechnology, held at University of  
Karachi, Feb, 24-28, ,p.100.
- 4) **A. Haleem Shah**, and A. Hameed 2002.  
L. Lysine Production by multiple auxotrophic mutant of *corynebacterium  
glutamicum*.4<sup>th</sup> International Biennial Conference of Pakistan Society of microbiology  
held in Peshawar / Mulam-Jabba. June 24-28, P 22.
- 5) A.Saeed, **A. Haleem Shah**, A.R.Khan and A.Saeed 2007.  
Highly Molecular weight Acid Phosphates of Chicken liver: Separation and  
Characterization, 9<sup>th</sup> International Symposium on Protien Structure Function  
Relationship, 11-01-2007 to 11-14-2007 Karachi by HEJ Research Institute of  
Chemistry University of Karachi Page, 54.
- 6) **A.Haleem Shah**. A.Hameed and A.Jabar Khan 2007.  
Lysine production by fermentation.  
7<sup>th</sup> international and 17<sup>th</sup> national chemistry conference February 26-28, page 68.

- 7) A.Saeed, **A.Haleem Shah** and A.Rahim Khan 2007  
Acid phosphatase and zinc dependent acid phosphatase from chicken liver  
7<sup>th</sup> international and 17<sup>th</sup> national chemistry conference February 26-28, page 71.

### LIST OF PUBLICATIONS

- 1 **A Haleem Shah** and A.Hameed (1998).  
Development of Lysine Producing mutant of *Corynebacterium glutamicum*,  
J.Biologia, 44 (1&2)-236-241.
- 2 **A. Haleem Shah**, A.Hameed and G.M. khan (2002).  
Improved Microbial Production of Lysine by Developing a New Auxotrophic Mutant  
of *Corynebacterium glutamicum* Pakistan .Journal of Biological Sciences 5(1), 80-  
83.
- 3 **A. Haleem Shah**, A.Hameed, G.M. Khan and S.Ahmad (2002).  
Optimization of Culture Condition for L-Lysine Production by *Corynebacterium  
glutamicum* Journal of Biological Sciences  
2 (3), 151-156.
- 4 **A. Haleem Shah** and A.Hameed (2002)  
Lysine Participation in life, Production and Biosynthesis. International Journal of  
Science Technology, Development 21(1)20-24,
- 5 **A. Haleem Shah** and A.Hameed(2002).  
Development of Thiosine Resistant Mutant of *Corynebacterium glutamicum* and its  
potency for lysine Production, International Journal of Science Technology,  
Development 21 (2) 45-48.
- 6 **A. Haleem Shah**, A.Hameed and G.M. khan (2002).  
Development of Threonine Auxotrophic Mutant from Thialysine resistant Mutant for  
Improved Lysine Production. Journal of the Chemical Society. of Pakistan.24(3): 204-  
208
- 7 **A. Haleem Shah**, A.Hameed and G.M Khan (2002)  
Fermentative Production of Lysine: Bacterial Fermentation-1. Journal of Medical  
Sciences 2(3); 152-157.
- 8 **A.Haleem Shah** and A.Hameed and G.M Khan (2002)  
Fermentative Production of Lysine: Fungal Fementation and mutagenesis II A review,  
Pakistan Journal of Pharmaceutical Sciences 15 (2) 29-35.
- 9 **A. Haleem Shah** and A. Hameed (2004)  
Nutritional And Mutational Aspects of Indigenous Lysine Production By  
*Corynebacterium glutamicum*: Comprehensive Studies in Shake Flask Fermentation –  
1, Journal of the Chemical Society of Pakistan. 26 (4) 416-428.
- 10 **A.J.Khan A. Haleem Shah** and S.N.Khan (2005)  
Molecular Characterization of thalassemia intermedia in Pakistan, Journal of The  
Chemical Society of Pakistan 27 (5), 548-554.

- 11 S.A Shahid, A. Nawaz khan and **A. Haleem Shah** (2005)  
A simplified apparatus for the maintenance of Constant water heads for hydrophilic conductivity measurements. Gomal University Journal of Research 21; 34-35.
- 12 A.Saeed, **A. Haleem Shah**, Z. A Khan, A.R. Khan and A Saeed (2005)  
Partial Purification and characterization of 57 KDa Zinc Dependent acid Phosphates form chicken heart.  
Proceeding of 8<sup>th</sup> International symposium on protein structure function relationship, held in Karachi, Pakistan, 7-10 Jan; 2005 ISBAN 969- 8113-09-6. Editor, Atiya Abbasi and Syed Abid Ali. Page: 47-56.
- 13 A. J. Khan **A. Haleem Shah**, S. N. Khan and Salahudin (2006)  
Identification of the genetic factors responsible for variable phenotypes of thalassemia patient in Pakistan, Journal of the Chemical Society of Pakistan. 28 (05) Page: 465-471.
- 14 A. Saeed, **A. Haleem Shah**, A. Rahim and A. Saeed (2007)  
Low Molecular weight Zinc-dependent acid Phosphates from Chicken heart, Journal of the Chemical Society of Pakistan.29 (1).page; 50-60.
- 15 A. Saeed, **A. Haleem Shah**, A. Rahim and A. Saeed (2007)  
High molecular weight acid phosphates from chicken liver, separation and characterization. Journal of the Chemical Society of Pakistan. 29 (4) PP 364-372.
- 16 **A. Haleem Shah** and A.J. Khan (2008)  
Direct fermentative production of lysine (Review). Journal of the Chemical Society of Pakistan. 30(1) pp 158-164 .
- 17 M.Hasan ,A .J. Khan ,**A .Haleem Shah** and A.R Khan (2008)  
Transformation of tomato (*Lycopersicon esculantum* mill) with Arabidopsis early flowering gen APETALAI(API) through *Agrobacterium* infiltration of ripend fruit .Pakistan journal of Botany 40(1) 161-173.
- 18 A .J. Khan , A.R. Khan, **A .Haleem Shah** and S. Khan (2008)  
Prevalence of hypertention in diabetic patients in Lady Reading Hospital Peshawar N.W.F.P Pakistan. Gomal University Journal of Research 24(1) 43-49..
- 19 A .J. Khan A.R. Khan **A .Haleem Shah** and S. Khan (2008)  
Current Antibiotic Susceptibility Patteren in Khyber Teaching Hospital Peshawar N.W.F.P Pakistan. Gomal University Journal of Research 24(1) 50-62.
- 20 Asma Saeed ,**A. Haleem Shah** ,A .R Khan and A .Saeed (2009)  
Comparative study and biochemical properties of 57kDa and 100 kDa Zn-dependent acid phosphatases in chicken heart and liver. Journal of the Chemical Society of Pakistan. 31(1) 80-88
- 21 Aisha Sadique ,Mehrin Sherazi. R.Naz ,I Ali, Asma Saeed ,**A.Haleem Shah**, A.Rahim,M.Ahmad (2009)  
130kDa Acid Phosphatase from the Liver of Labeo Rohita. Journal of the Chemical Society of Pakistan. 31(5) 801-808

- 22 Abdul Haleem shah ,Abdul Hameed, Saeed ur Rehman and Abdul Hamid jan  
2011  
Nutritional And Mutational Aspects of Indigenous Lysine Production  
*Corynebacterium glutamicum*: Comprehensive Studies in stirred tank Fermentation –  
11, Pakistan journal of zoology. Accepted .
- 23 Arshad Farid **Abdul Haleem Shah** and Muhammad Mukhtiar 2011  
Protective role of glutathione in Tungsten induced toxicity in blood components. A  
pharmacological and toxicological perspective  
International journal of research in ayurveda and pharmacy 2(3) 943-947
- 24 Murad Ali **Abdul Haleem Shah** *AZHAR MAQBOOL, SHAKOOR AHMAD, ZIA UR  
RAHMAN, ABDULWAHAB*  
Epidemiological survey of Scabies Skin Disease among different migrants in  
Khyber Pukhthoonkhwa (Pakistan). INTERDISCIPLINARY JOURNAL OF  
CONTEMPORARY RESEARCH IN BUSINESS VOL 3, No 2 pp1378 -1390
- 25 Adnan Amin ,Muhammad Ayaz Khan,**Abdul Haleem Shah** Uzma Haroon, S.M  
Farook Azam,Muhammad Yasin  
Physical adsorption immobilization of anti microbial peptide (bacitracin) producing  
*Bacillus* strainGU215n polystyrene film.  
African journal of microbiology research vol 4(6) pp .2011
- 26 Zia Ur Rahman Awan ,Abdul Karim Khan , **Abdul Haleem Shah** Muhammad  
Suleman and Murad Ali Khan  
Assessment of Malaria Prevalence Among School Children In Rural Areas of Bannu  
District Khyberpakhtu Khwa, Pakistan  
Pakistan journal of zoology (Accepted 358-10)

**PHD THESIS SUPERVISED**

S.No	TITLE	Year	NAME
1	Isolation, purification and characterization of Acid Phosphatases from heart and liver of chicken.	2009	Asma Saeed
	<b>Ongoing research leading to Ph.D degree</b>	Registration	
2	Epidemiology ,zoonotic potential and control of scabies in animal and humans	2007	Murad Ali Khan
3	Characterization of hepatitis B virus genotype in chronic HBV patient in Khyber Pakhtunkhwa, Pakistan.	2009	Zia ur Rehman
4	Epidemiology of Hepatitis C Virus, its current trends and future implication in diagnosis, prevention and treatment in Khyber Pakhtunkhwa of Pakistan.	2009	Hayat khan

**M.PHIL THESES SUPERVISED**

S.No	TITLE	SESSION	NAME
1	Antibacterial Activities of Medicinal Plants	2010	Saeed Ur Rahman
2	Fermentative Production of Glutamic Acid by newly isolated soil bacteria	2011	Hadia Gul
2	The protective role of glutathione in Tungsten induced toxicity in blood component	2011	Arshad Farid
3	Seroprevalence ,active infection by PSR ,and risk factor of hepatitis C in D.I.Khan District	2011	Muneeb Ur Rahman
4	Microbial degradation of phenol by locally isolated soil bacteria	These is at final stage	Amjad Ali
5	Microbial production of antibiotic by newly isolated soil bacteria	do	Aamer Abas

**M.Sc THESES SUPERVISED**

S.No	TITLE	SESSION	NAME
1	Incidence of Aneamia in N.W.F.P Peshawar Zone	1999-2001	Asif Mahmood
2	Comparative study of different constituent of Milk in Mammals	1999-2001	Mustaq Ahmad
3	Comparative Study Ascorbic acid in fruits & Vegetable	1999-2001	Ikhtasham ul Haq
4	The antibacterial potency of honey (Produced by Apis florae)	2000-2002	Shaheeda Saleem

- |   |  |           |                 |
|---|--|-----------|-----------------|
| 5 | The antibacterial potency of honey (by <i>Apis dorsata</i> )                       | 2000-2002 | Sata, A Zaidi   |
| 6 | Evaluation survey of under weight and over weight School Children in D.I.Khan Zone | 2002-2003 | Saeed ur Rehman |