

CURRICULUM VITAE



I. PERSONAL

Name: **Sved Abid Ali**
Father's Name: Syed Shakir Ali
Date/Place of Birth: 01.08.1966 (Nawabshah, Sindh)
Nationality: Pakistani
Res. Address: R-25, Block 10/A, Main Rashid Minhas Road,
Gulshan-e-Iqbal, Karachi-75300, Pakistan
Tel: 0092-333-3456872

II. QUALIFICATION

Ph. D.
(1991- Mar 1997) Biochemistry/Protein Chemistry
"Primary structure of hemocyanin from scorpion (*Buthus indicus*)"
International Centre for Chemical & Biological Sciences,
HEJ Research Institute of Chemistry, University of Karachi,
Karachi-75270, Pakistan

M. Sc.
(1989- Jan 1991) Biochemistry and Molecular Biology
Quaid-e-Azam University, Islamabad-Pakistan

B. Sc.
(1986- Mar 1988) Biology (Chem. Microbiol. Bot.)
DJ Science College, University of Karachi, Karachi-Pakistan

III. WORK EXPERIENCE

Present position:
(Dec 2002- till date) **Assistant Professor**
International Centre for Chemical and Biological Sciences,
HEJ Research Institute of Chemistry, University of Karachi,
Karachi-75270, Pakistan.
Tel: 0092-21-4824934-127: Fax: 0092-21-4819018-19
E-mail: syedabidali@cyber.net.pk

AvH Fellow:
(Apr 2005-Mar 2006) Interfakultäres Institut für Biochemie
Institute of Physiological Chemistry,
University of Tuebingen, Hoppe-Seyler Str. 4,
D-72076, Tuebingen, Germany.

Visiting Scientist:
(Aug-Sep 2003) Molecular Parasitology laboratory, Institute of Physiological
Chemistry, University of Tuebingen, Tuebingen, Germany

Postdoctoral Fellow:
(Mar 2001-Dec 2002) Center for Medical Research (ZMF),
Department of Transfusion Med,
University Kilinic Tuebingen, WaldhörnleStr. 22, D-72072,
Tuebingen, Germany.

Postdoctoral Fellow: Department of Physical Biochemistry,
(Apr 1997- Dec 2000) Institute of Physiological Chemistry,
University of Tuebingen, Hoppe-Seyler Str. 4,
D-72076, Tuebingen, Germany.

Visiting Scientist: Molecular Biophysics Group,
(Aug-Oct 1997/Aug 1998) Daresbury Laboratory, Daresbury,
Cheshire, Warrington WA4 4AD, U.K.

Jr./Sr. Research Fellow: International Center for Chemical and Biological Sciences, HEJ
(May 1991-Mar 1997) Research Institute of Chemistry, University of
Karachi, Karachi-75270, Pakistan.

IV. RELEVANT SCIENTIFIC SKILLS

Protein purification & Characterization: Chromatography (GF- IE- RP- HPLC/FPLC)
Electrophoresis (SDS-PAGE, IEF, AU-PAGE)
Western blotting, Electro-elution, 2D PAGE

Structure elucidation: Amino acid analysis and Sequencing
Mass spectrometry (SELDI/- MALDI-MS; LC-ESI-MS)
UV/CD spectroscopy, Dynamic light scattering (DLS),
Comparative protein modelling/Bioinformatics
Transmission electron microscopy of macromolecules (TEM)
Solution X-ray scattering studies (SAXS) of macromolecules

Peptide synthesis: Solid phase peptide synthesis

Others: Cell culture, DNA-gel electrophoresis, EMSA, Fluorescence-microscopy
ELISA and various others Proteomics tools

V. ADDITIONAL INFORMATION

Scholarships: a) Alexander Von Humboldt - Georg Forster Research
Fellowship, AvH-Bonn Germany.
b) Deutscher Akademischer Austauschdienst, DAAD-Bonn Germany)
c) CCLRC-Daresbury Laboratory, U.K.
d) Jr/Sr. Research Fellow: HEJ Research Institute of Chemistry, University
of Karachi, Pakistan.

Supervisor: PCST/HEC Approved Research Supervisor of Biochemistry

Memberships: International Society on Toxinology (IST)
American Chemical Society (ACS)
Pakistan Society of Biochemistry and Molecular Biology (PSBMB)
Chemical Society of Pakistan (CSP), Zoology Society of Pakistan (ZSP)
Pakistan Society of Pharmacology (PSP)

Conferences & Workshops: Presented and demonstrated at many national and international
symposiums and workshops

IT skills: Windows/Unix/Internet/Bioinformatics
Languages: English, Basic German and French

Research Interest: Protein Chemistry, Toxinology, Proteomics/Peptidomics, Bioinformatics

Other interests: Soccer, Travelling, Poetry, Reading

Impact Factor: 45.48

VI. REFERENCES

1. Prof. Dr. Atiya Abbasi (Ph.D. supervisor)
International Centre for chemical Sciences
HEJ Research Institute of Chemistry
University of Karachi, Karachi-75270, Pakistan.
Tel: 0092-21-4962785; Fax: 0092-21-4963124/4963373
E-mail: atiya786@super.net.pk
2. Prof. Dr. Dr. mult. Wolfgang Voelter (PDR supervisor)
Interfakultäres Institut für Biochemie
Institute of Physiological Chemistry
University of Tuebingen, Hoppy-Seyler Str. 4, D-72076,
Tuebingen, Germany.
Tel: 0049-07071-2978776; Fax: 0049-07071-295009
E-mail: wolfgang.voelter@uni-tuebingen.de
3. Dr. J. Günter Grossmann (Research Collaborator)
Molecular Biophysics Group,
CCLRC, Daresbury Laboratory,
Daresbury Cheshire, Warrington WA4 4AD, U.K.
Tel: 0044-1925-603273; Fax: 0044-1925-603748
E-mail: J.G.Grossmann@dl.ac.uk

VII. PROJECTS UNDER INVESTIGATION, FUNDED, SUBMITTED FOR FUNDING AND M. PHIL/PH. D. STUDENTS

1. Peptidyl antibiotics: structure-function relationship of the antimicrobial peptides and bacteriocins/lantibiotics from Indegous Entrococci. (Mr. Niaz Muhammad; Miss Saima)
Funded from; Higher Education Commission of Pakistan (PI)
2. Snake venom protein and peptides as possible candidates for drug design. (Mr. S. Faraz Moin; Miss Asma Naz)
Funded from; The Academy of Sciences for the Developing World (TWAS), Trieste-Italy (PI)
3. Peptidyl Inhibitors of various Ion channels from Snake and Scorpion venoms: A possible template for drug design (Mr. Mehtab Alam)
Alexander von Humboldt Foundation, Bonn-Germany (PI)
4. Screening, production and structure-function relationship of enzyme Lactases (Miss Naveen Nighat).
Funded from; RG Pharmaceutica (Pvt) Ltd., Karachi, Pakistan (PI)
5. Structure-function relationship of proteins and peptides from the medicinally important plants of Pakistan. (Mr. M. Bashir Khan; Ms. Kanwal Zehra)
6. Structure-function relationship of oxygen transport proteins hemoglobin and hemocyanin. (Ms. Humera Waheed)
7. Concentrations of proteins, Vitellogenin, Vitellin and lipids in the hepatopancreas, hemolymph, adipose tissue and ovaries during ovarian development in Penaeid Shrimps *F. Penicillatus* & *F. Merguiensis*. (Miss Habib Fatima)
Funded from; Higher Education Commission of Pakistan. (Co-PI)

8. Screening, production and structure function-relationship of lipase(s) from thermophilic bacteria.

Funded from; Higher Education Commission of Pakistan. (Co-PI)

VIII. RESEARCH THESIS SUPERVISED/CO-SUPERVISED

1. Humera Waheed (M.Phil) ICCBS, HEJ Research Institute of Chemistry, University of Karachi, Karachi. (2007, In Writing).
2. Sadia Saeed (Ph.D.) Department of Microbiology, University of Karachi, Karachi. (2006, Submitted) Prof. Dr. Sheikh Ajaz Rasool
3. Rabia Sattar (Ph.D.) HEJ Research Institute of Chemistry, University of Karachi, Karachi. (2005, Awarded) Prof. Dr. Atiya Abbasi
4. Christian Reichert (Diplome, MS) University of Applied Sciences, Nürnberg, Germany. (2004, Awarded) Prof. Dr. Hermann Bauer
5. Robert Knape (Diplome, MS) University of Applied Sciences, Nürnberg, Germany. (2004, Awarded) Prof. Dr. Hermann Bauer

IX. NATIONAL AND INTERNATIONAL COLLABORATORS

1. Prof. Dr. Salman A Malik, Chairman, Department of Biochemistry, Quaid-i-Azam University, Islamabad, Pakistan.
2. Dr. Zarien Ayub, Assistant Professor, Centre of Excellence in Marine Biology, University of Karachi, Karachi-75270, Pakistan.
3. Dr. Junaid M. Alam, Associate Professor, Department of Biochemistry, Liaquat National Hospital, Karachi-74800, Pakistan.
4. Prof. Dr. Sheikh Ajaz Rasool, Department of Microbiology, University of Karachi, Karachi-75270, Pakistan.
5. Prof. Dr. Atiya Abbasi, International Center for Chemical Sciences, HEJ Research Institute of Chemistry, University of Karachi, Karachi-75270, Pakistan.
6. Prof. Dr. Michael Duszenko, Interfakultäres Institut für Biochemie, Institute of Physiological Chemistry, University of Tuebingen, Hoppy-Seyler Str. 4, Tuebingen, Germany.
7. Prof. Dr. Dr. mult. Wolfgang Voelter, Department of Physical Biochemistry, Institute of Physiological Chemistry, University of Tuebingen, Hoppy-Seyler Str. 4, Tuebingen, Germany.
8. Dr. J. Günter Grossmann, CCLRC Daresbury Laboratory, Daresbury Cheshire, Warrington WA4 4AD, U.K.
9. Dr. Osman Mirza, Assistant Professor, Department of Medicinal Chemistry, Faculty of Pharmaceutical Sciences, University of Copenhagen, Universitetsparken 2, DK-2100 Denmark.
10. Prof. Dr. Hermann Bauer, Fachbereich Technische Chemie, University of Applied Sciences, Nürnberg, Germany.