

Dr.Farahdiba Jafri

Present Position: Adjunct Instructor
Department of Chemistry
College of Charleston
Charleston, SC 29401.

Academic Appointments

1996 - 1996 Research Associate, Howard Cancer Center, Washington, DC, USA
1996 - 2000 Postdoctoral Fellow, IMMAG, Medical College of Georgia, Augusta, GA, USA
1999 - 2000 Medical Technologist, Doctors Hospital, Department of Microbiology, Augusta, GA, USA
2000 - 2003 Postdoctoral Associate, Department of Clinical, Medical College of Georgia, Augusta, GA, USA
2003 -2006 Postdoctoral Fellow, Department of Endocrinology, Medical University of South Carolina, Charleston, SC, USA
2006 Adjunct Instructor (Fall Semester), Department of Chemistry, Citadel, Charleston, SC, USA
2007 Medical Technologist, Costal pathology Laboratory, Charleston SC, USA
2010-2011 Adjunct Instructor, Virginia College, Charleston, SC, USA
2012-Present Adjunct faculty, Department of Chemistry, College of Charleston, SC, USA

Education

Institution/Location	Years	Degree	Field of Study
AM University, Aligarh, India	1986	B.Sc	Chemistry
AM University, Aligarh, India	1988	M.Sc	Biochemistry
AM University, Aligarh, India	1992	M.Phil	Biochemistry
AM University, Aligarh, India	1995	Ph.D	Biochemistry
Med. College of Georgia, USA	1999	MT(ASCP)	Clinical Chemistry

Awards and Honors

1987-1988 Postgraduate Merit Scholarship Award, AM University, Aligarh (India)
1990-1992 Research Fellowship Award, AM University, Aligarh (India)
1992-1995 Senior Research Fellowship Award, Council of Scientific and Industrial Research (India)
2002 Travel Award, sponsored by Experimental Biology (FASEB), New Orleans, LA, USA

Membership in professional/scientific societies

Former member of American Society of Clinical Pathology, USA
Member of American Association of Biocatalysts, USA
Former member of The American Chemical Society, USA

Publications

Peer-Reviewed Journal Articles

1. **Jafri F**, Husain S, Saleemuddin M. Immobilization and stabilization of invertase using polyclonal antibodies as support. *Biotechnol Appl Biochem* 18:401-408, 1993.
2. Husain S, **Jafri F**. Covalent immobilization of invertase and horseradish peroxidase on concanavalin A via carbohydrate moieties. *Biochem Mol Biol Int* 36:669-677, 1995.
3. **Jafri F**, Husain S, Saleemuddin M. Stabilization of yeast invertase by insoluble immunocomplexes formation using unfractionated glycosyl-specific and peptide specific polyclonal antibodies. *Biotechnol Techniques* 9:117-122, 1995.

4. Husain S, **Jafri F**, Saleemuddin M. Immobilization and stabilization of horseradish peroxidase isoforms. *Biochem Mol Biol Int* 40(1):1-11, 1996.
5. Husain S, **Jafri F**, Saleemuddin M. Effects of chemical modification on the stability of invertase before and after immobilization. *Enzyme Microbial Technol* 18:275-280, 1996.
6. Husain S, **Jafri F**. Prostaglandin F-2 α stimulates tyrosine phosphorylation of phospholipase C- γ 1. *Biochem Biophys Res Commun* 297(5):1102-1107, 2002.
7. **Jafri F**, Hardin, JA, Dynan, WS. A method to detect particle-specific antibodies against Ku and the DNA-dependent protein kinase catalytic subunit in autoimmune sera. *J Immunol Methods*. 251(1-2): 53-61, 2001.
8. Anstadt, P, Hutchinson, J, PortikDobos, V, **Jafri, F**, Bannan, M, Mawulawde, K, Ergul, A. Vascular endothelin converting enzyme-1 expression and activity is up regulated in clinical diabetes. *Ethnicity & Disease* 12(4), S3-5-9, 2002.
9. **Jafri F**, Ergul, A. Nuclear localization of Endothelin-Converting Enzyme-1: sub-isoform specificity. *Arterioscler Thromb Vasc Biol* 23(12), 2192 -2196, 2003.
10. Husain S, **Jafri F**, Crosson CE. Acute effects of PGF_{2 α} on MMP-2 secretion from human ciliary muscle cells: A PKC- and ERK-dependent process. *Invest Ophthalmol Vis Sci* 46:1706-1713, 2005.
11. **Jafri F**, Ergul, A. Phosphorylation of endothelin-converting enzyme-isoforms: relevance to sub-cellular localization. *Exp. Biol. Med. (Maywood)* 231,713-717, 2006.
12. **Jafri F**, El-Shewy, HM, Lee, MH, Kelly, M, Luttrell, DK, Luttrell, LM. Constitutive ERK1/2 Activation by a Chimeric Neurokinin1 Receptor-beta-Arrestin1 Fusion Protein: Probing the composition and function of the G-Protein-coupled receptor "Signalsome." *J. Biol. Chem* 281,19346-19357, 2006.

Abstracts:

1. **Jafri F**, Husain, S, and Saleemuddin, M. Antibody matrix as useful support for glycoenzyme immobilization. *Annual meeting of Society of Biological Chemists*, Calcutta. India, 1992.
2. Husain, S, **Jafri F**. Covalent coupling of glycoenzymes to immobilized concanavalin A. *Annual meeting of society of Biological Chemist*, Calcutta, India, 1991.
3. Shamsi, MFA, **Jafri F**. Some studies on periodate treated β galactosidase. *Annual meeting of society of biological chemist*, Calcutta, India, 1991.
4. **Jafri F**, Ergul, A. Differential phosphorylation of endothelin converting enzyme subisoforms relation to cellular localization. *Experimental Biology*, New Orleans, USA, 2002.
5. **Jafri F**, Lutrell, LM. Constitutive ERK1/2 activation by a chimeric neurokinin 1 receptor beta arrestin fusion protein. *Endocrinology meeting in San Diego*, CA, USA 2005.