

## RESEARCH INTERESTS

I am working on the role of adipsin and other adipokines in the development of obesity, type-2-diabetes, and polycystic ovary syndrome, and to find preventive therapies. In addition, I am also working on a collaborative project to study hyperinflammatory syndrome and associated gender disparities in COVID-19 patients.

## PUBLICATIONS

1. Shoeb F, Malykhina AP, Akbarali HI. Cloning and functional characterization of the smooth muscle ether-a-go-go-related gene K<sup>+</sup> channel. Potential role of a conserved amino acid substitution in the S4 region. *J Biol Chem*. 2003 Jan 24;278(4):2503-14.
2. Malykhina AP, Shoeb F, Akbarali HI. Fenamate-induced enhancement of heterologously expressed HERG currents in *Xenopus* oocytes. *Eur J Pharmacol*. 2002 Oct 11;452(3):269-77.
3. Jin X, Morsy N, Shoeb F, Zavzavadjian J, Akbarali HI. Coupling of M2 muscarinic receptor to L-type Ca channel via c-src kinase in rabbit colonic circular smooth muscle. *Gastroenterology*. 2002 Sep;123(3):827-34.
4. Shanmugasundaram GK, Sundaresan G, Shoeb F, Arumugam N, Kumaravelu J, Unwalla H, Chakraborti S, Banerjee AC. Genetic analyses of cis-acting sequences controlling expression of human immunodeficiency virus type 1 coreceptor-CCR5 gene in rabbits and CXCR4 gene in monkeys. *J Hum Virol*. 2001 Jul-Aug;4(4):188-94.
5. Shoeb F, Yadav JS, Bajaj S, Rajam MV. Polyamines as biomarkers for plant regeneration capacity: improvement of regeneration by modulation of polyamine metabolism in different genotypes of indica rice. *Plant Sci*. 2001 May;160(6):1229-1235.