Dr. S. M. Gokhale

Research Articles

• The Red Cell Membrane Structure: Some features of interest to Hematologists.

N.G.Mehta, S.M.Gokhale and R.D.Kalraiya

Indian J. Hematol. Vol. 3, 41-48, (1985).

ISSN: 0971-4502 (Print), 0974-0449 (Electronic)

• Glycophorin A interferes in the agglutination of human erythrocytes by concanavalin A. Explanation for the requirement of enzymatic predigestion.

S.M.Gokhale and N.G.Mehta

Biochem. J. (U.K.), 241, 505-511, (1987).

ISSN: 0264-6021, 1470-8728

• Concanavalin A-agglutinability of membrane-skeleton-free vesicles and aged cellular remnants derived from human erythrocytes. Is the membrane skeleton required for aggiutination?

S.M.Gokhale and N.G.Mehta

Biochem. J. (U.K.), 241, 513-520, (1987).

ISSN: 0264-6021, 1470-8728

 Concanavalin A binding to human erythrocytes leads to alterations in properties of the membrane skeleton.

S.M.Gokhale and N.G.Mehta

Biochem. J. (U.K.), 241, 521-525, (1987).

ISSN: 0264-6021, 1470-8728

• Endogenous factors determining the agglutinability of erythrocytes with concanavalin A.

N.G.Mehta, S.M.Gokhale and K.N.Pestonjamasp

Indian J. Biochem. Biophys. 25, 14-19, (1988).

Online ISSN: 0975-0959 Print ISSN: 0301-1208

 Membrane skeleton and transbilayer phospholipid organization in heat-treated human erythrocytes.

S.R.P.Gudi, A.Kumar, V.Bhakuni, S.M.Gokhale and C.M.Gupta Biochim. Biophys. Acta 1023, 63-72, (1990).

ISSN: 1872-8006, 0304-4165

 Heat-induced alterations in monkey erythrocyte membrane phospholipid organization and skeletal protein structure and interactions. A.Kumar, S.R.P.Gudi, S.M.Gokhale, V.Bhakuni and C.M.Gupta Biochim. Biophys. Acta 1030, 269-278, (1990).

ISSN: 1872-8006, 0304-4165

• The role of the membrane skeleton in concanavalin A-mediated agglutination of human erythrocytes.

K.N. Pestonjamasp, S.M. Gokhale and N.G.Mehta

Biotechnol Appl Biochem. 12 (5), 544-549, (1990)

ISSN: 0885-4513 (Print), 1470-8744 (Electronic)

• Solubility behavior of integral proteins and glycophorins of mammalian erythrocyte membrane.

Savita Sharma and S. M. Gokhale

Asian J. Exp. Biol. Sci. Vol. 2 (3), 449-454 (2011)

ISSN 0975-5845

• Sialoglycoproteins of mammalian erythrocyte membranes:

A comparative study.

Savita Sharma and Sadashiv M. Gokhale

Asian-Australian J. Anim. Sci. Vol. 24 (12), 1666-1673 (2011)

Online ISSN 1976-5517 Print ISSN 1011-2367

 Differential actions of proteinases and neuraminidase on mammalian erythrocyte surface and its impact on erythrocyte agglutination by concanavalin A.

Savita Sharma and Sadashiv M. Gokhale

Gen. Physiol. Biophys. 31, 457–468 (2012)

ISSN-0231-5882

 Molecular docking of some herbal-based potential anti-psoriasis agents with dihydrofolate reductase.

Kelotra A, Soumya VG, Kelotra S, Gokhale SM and Bidwai AK

Indian J. Drugs and Diseases 1 (8), 192-199 (2012)

ISSN: 2278-2958

• Identification of human erythrocyte cytosolic proteins associated with plasma membrane during thermal stress.

Savita Sharma, Surekha M. Zingde and Sadashiv M. Gokhale

J. Membrane Biology 246 (8), 591-607 (2013)

Online ISSN- 1432-1424 Print ISSN- 0022-2631 (Springer)

 Marker assisted backcross selection for genetic removal of lipoxygenase-2 from popular soybean (*Glycine max*) variety JS 97-52: Parental polymorphism survey and hybridity validation. Reena Rawal, Vineet Kumar, Anita Rani, S M Gokhale and S M Husain Indian Journal of Agricultural Sciences 84 (3): 414–7, March 2014 ISSN: 0019-5022

 A comparative study of the membrane proteins of some mammalian erythrocytes identified by mass spectrometry.
Savita Sharma, Vinny Punjabi, Surekha M. Zingde and Sadashiv M.

J. Membrane Biology 247(11), 1181–1189, Oct 2014 Online ISSN: 1432-1424 Print ISSN: 0022-2631 (Springer)

 Enzymatic cleavage of cell surface proteins of pig and cow erythrocytes and its effect on concanavalin-mediated agglutinability.

Savita Sharma and Sadashiv M. Gokhale

Gokhale

Indian J Biochem Biophys 51(5) 378-387, Oct 2014

Online ISSN: 0975-0959 Print ISSN: 0301-1208

 Alkyloxy carbonyl modified hexapeptides as a high affinity compounds for Wnt5A protein in the treatment of psoriasis.

Ankit Kelotra, Sadashiv M Gokhale, Seema Kelotra, Vaidehi Mukadam, Komal Nagwanshi, Srinivas Bandaru, Anuraj Nayarisseri & Anil Bidwai Bioinformation 10(12): 739-745, Dec 2014

Online ISSN: 0973-2063 Print ISSN: 0973-8894

 Morphological trait variations in the west Himalayan (India) populations of *Arabidopsis thaliana* along altitudinal gradients.

Akanksha Singh, Antariksh Tyagi, Abhinandan Mani Tripathi, Sadashiv M. Gokhale, Nandita Singh and Sribash Roy.

Current Science 108 (12): 2213-2222, June 2015

Online ISSN: 0011-3891

• Effect of free radical generating system- Adenosine Triphosphate/Ferrous Sulphate/Hydrogen Peroxide on human erythrocytes.

Vinny Punjabi and Sadashiv M Gokhale

Inter. J. of Contemporary Res. and Rev. 8 (7), 20184-20192, July 2017 Online ISSN: 0976 – 4852

 Structure of Asp-bound peptidase E from Salmonella enterica: Active site at dimer interface illuminates Asp recognition.

Pooja Yadav, Venuka Durani Goyal, Neeraj K. Gaur, Ashwani Kumar, Sadashiv M. Gokhale and Ravindra D. Makde

FEBS Letters 592: 3346-3354, Sept 2018

(doi:10.1002/1873-3468.13247)

Online ISSN: 1873-3468 Print ISSN: 0014-5793

 Carboxypeptidase in prolyl oligopeptidase family: Unique enzyme activation and substrate-screening mechanisms.

Pooja Yadav, Venuka Durani Goyal, Neeraj Kailash Gaur, Ashwani Kumar, Sadashiv M. Gokhale, Sahayog N. Jamdar and Ravindra D. Makde

Journal of Biological Chemistry, Nov 2018

(doi: 10.1074/jbc.RA118.004254)

Online ISSN: 1083-351X, Print ISSN: 0021-9258