

Bio-data

Photo



Name : Dr. Sankar Bakshi

Designation : Assistant Professor

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Academic Qualification: M.Sc., Ph.D.

Research Area and Area of Interest:

1. Purification, Biochemical characterisation and Molecular function of DNA polymerase λ from plants.
2. Thermostable polysaccharide degrading enzymes from thermophiles.

Research Guidance: None

Awards : None

Projects : (UGC Minor Research Project title) Purification and biochemical characterisation of thermostable α -amylase and cellulase from thermophilic bacteria *Geobacillus* Sp. (Strain BO-1) isolated from agricultural hay compost.

Publications :

1. Sarkar SN, Bakshi S, Mokkapati SK, Roy S, Sengupta DN (2004) Dideoxynucleoside triphosphate-sensitive DNA polymerase from rice is involved in base excision repair and immunologically similar to mammalian DNA pol beta, Biochemical and Biophysical Research Communication, 320 (1): 145-155
2. Sihi S, Bakshi S, Sengupta DN (2015) Detection of DNA Polymerase λ activity during seed germination and enhancement after salinity stress and dehydration in the plumules of indica rice (*Oryza sativa*) Indian Journal of Biochemistry & Biophysics, Vol: 52 pp 86-94
3. Activity of DNA polymerase λ in dry and germinating seeds of *Zea mays* L. Indian Journal of Plant Physiology, Vol:20 (4) pp 396-399
4. Bakshi S, Sihi S, Sengupta DN (2016) Activity of DNA polymerase λ in spikelets of rice and maize, Biologiaplantarum, 60(4): 788-792
5. Bakshi S, Sihi S, Sengupta DN (2016) Detection and analysis of a possible DNA polymerase λ gene in *Zea mays* L. 29 (2): 146-154