

GNANESH KUMAR B S

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Research Interest:

Major area: Biomolecular mass spectrometry, Glycobiology, Protein chemistry

Specific area: Milk glycomics/glycoproteomics, plant bioactive profiling and bio functional studies.

Scientist (2017-Till date)

- Department of Biochemistry, CSIR-CFTRI, MYSORE -570020

Post-doctoral research experience:

- Molecular Biophysics Unit, Indian Institute of Science, Bangalore (2014-2017).

Educational Qualifications:

- **Doctor of Philosophy (PhD)**
Department of Biochemistry, University of Hyderabad, Hyderabad, India (2014)
- **Master of Science (M.Sc)**
Department of Studies in Biochemistry, University of Mysore (2006-2008)

Research Papers:

At CSIR-CFTRI, Mysuru

- **B S Gnanesh Kumar**, Simran Mattad (2021) Comprehensive analysis of lactoferrin N-glycans with site-specificity from bovine colostrum using specific proteases and RP-UHPLC-MS/MS. Intl Dairy J. In press. <https://doi.org/10.1016/j.idairyj.2021.104999>.
- Jinesh P, Lijina P, **Gnanesh Kumar BS** (2021) Sequence and N-glycan diversity analysis of immunoglobulin G from buffalo milk using RP-UHPLC MS/MS. Amino Acids. <https://doi.org/10.1007/s00726-021-02945-5>.
- C H Vidya, **B S Gnanesh Kumar**, C V Chinmayee, Sridevi Annapurna Singh (2020) Purification, characterization and specificity of a new GH family 35 galactosidase from *Aspergillus Awamori*. Intl J Biol Macromol. (156): 885-895. **PMID: 32277984**.

- Sandeep Kumar, Anindya Basu, KA Anu-Appaiah, **BS Gnanesh Kumar**, Sarma Mutturi (2020) Identification and characterization of novel transglycosylating α -glucosidase from *Aspergillus niger*. *J Appl Micro.* (129): 1644-1656.
- **Gnanesh Kumar BS**, A Rawal (2020) Sequence characterization and *N*-glycoproteomics of secretory immunoglobulin A from donkey milk. *Intl J Biol Macromol.* (155): 605-613. **PMID: 32251747**
- **Gnanesh Kumar BS**, Madan Reddy Prasad, Sanjay Kottekkad (2018) Comparative site-specific *N*-glycosylation analysis of lactoperoxidase from buffalo and goat milk using RP-UHPLC-MS/MS reveals distinct glycan pattern. *J. Agri. Food Chem.* (66):11492-11499. **PMID: 30296068.**