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Gundlapally Sathyanarayana Reddy, Ph.D
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Gundlapally Sathyanarayana Reddy Biography

- Dr. Gundlapally Sathyanarayana Reddy is a Senior Technical Officer at Centre for Cellular and Molecular Biology, Hyderabad, India. He has completed his Ph. D in the area of Bacterial Diversity from Centre for Cellular and Molecular Biology and Post-doctoral studies from School of Life Sciences, Arizona State University, Tempe, USA. He has received UNESCO-IUMS-MIRCENS-SGM short-term fellowship in the year 2002. He has participated in the iron fertilization experiment, the LOHAFEX, conducted in the Southern Ocean in 2009. He has published more than 55 research papers in peer reviewed journals and authored book chapters in Bergey's manual of systematic bacteriology and The Prokaryotes. Reddy is a member of the Society for Biological Chemists of India (SBC[I]), Advisory board, Department of Biotechnology, Gulbarga University, Gulbarga, Karnataka and a Senior Editorial Board (SEB) Member of the American Journal of Current Microbiology. He is a reviewer for several peer reviewed scientific journals.

Research Interests

- Dr. Gundlapally Sathyanarayana Reddy
Biodiversity, Molecular Systematics and
Bioprospecting of Prokaryotes and Molecular
Adaptation of Extremophiles.

Dr. Gundlapally Sathyanarayana yanarayana Reddy popular talks

- Reddy, G. S. N. (2011). Species description by polyphasic taxonomy. A talk was given as a faculty at a workshop conducted by the 15th ADNAT, at Centre for Cellular and Molecular Biology, Hyderabad.
- Reddy, G. S. N. & Shivaji, S. (2009). "Biodiversity of Extremophiles: A path to the biotechnology". A plenary lecture was given at "National seminar on frontiers in Biotechnology (nsfb-2009) held by Bharatiyar University, Coimbatore, Tamilnadu from 22nd to 24th July, 2009.
- Reddy, G. S. N. (2008). "Prokaryotic diversity of Biological soil crusts as studied by conventional and non-conventional methods". An invited lecture was given at 2nd National conference on "Biotechnology for rural and industrial development" held at Gulbarga University, Gulbarga, India between 17th and 19th January 2008.
- Reddy, G. S. N. & Shivaji, S. (2008). "Biodiversity, Adaptation and Bio-prospecting of extremophilic prokaryotes". A presentation was given at "International conference on biodiversity, conservation and management" held by Rajiv Gandhi chair in contemporary studies CUSAT, Cochin, India between 3rd and 6th February 2008.

Dr. Gundlapally Sathyanarayana

Sathyanarayana Reddy's Selected Publications

- Reddy, G. S. N. (2014). Cost effective and efficient apparatus for electroelution of micro and macro-gram quantities of proteins from gram quantities of proteins from polyacrylamide polyacrylamide gels. Prep gels. Prep Biochem Biochem Biotechnol Biotechnol 44:805– 810.
- Reddy, G. S. N. (2013). Phylogenetic analyses of the genus Hymenobacter and description of Siccationidurans gen. nov., and Parahymenobacter gen. nov. J Phylogen Evolution Biol 1: 122. doi: 10.4172/2329-9002.1000122.
- Reddy, G. S. N., , G. S. N., Ara, S Singh A Kumar S., Singh, A., Kumar Pinnaka Pinnaka, A and A. and Shivaji Shivaji, S (2013) Draft Genome S. (2013) Draft Genome Sequence of Psychrobacter aquaticus Strain CMS 56T, Isolated from a Cyanobacterial Mat Sample Collected from Water Bodies in the McMurdo Dry Valley Region of Antarctica. Genome Announc. pii: e00918-13. doi: 10.1128/genomeA.00918-13.
- Reddy, G. S. N. & Garcia-Pichel, F (2009). Description of Patulibacter americanus sp. nov. isolated from biological soil isolated from biological soil crusts emended crusts,emended description of the genus description of the genus Patulibacter Patulibacter (Takahashi (Takahashi et al., 2006) and proposal of Solirubrobacterales ord. nov. and Thermoleophilales ord. nov. Int. J Syst. Evol. Microbiol. 59: 87-94.
- Reddy, G. S. N. & Garcia-Pichel, F. (2006). The community and phylogenetic diversity of biological soil crusts in the Colorado Plateau studied by molecular fingerprinting and intensive cultivation cultivation. Microbial Ecol Microbial Ecol. 52: 345 52: 345-57 G. S. N. Reddy and Ferran Garcia-Pichel: Genus IV: Dyadobacter Chelius and Triplett 2000VP,emend. Reddy and Garcia-Pichel 2005: Bergey's Manual of Systematic Bacteriology. 4th Edition. S. Shivaji, T. N. R. Srinivas and G. S. N. Reddy. The family Planococcaceae. The Prokaryotes 4th Edition (in press)

BIODIVERSITY



The world is full of magical things
patiently waiting for our eyes to grow sharper.

Eden Phillpotts

A. Spongia
B. Hydra
C. Scypha

Biodiversity

What does “Bio” mean?

Bio = **Life**

Biodiversity

What does “Diversity” mean?

Diversity = **V**ariety

ECOSYSTEM DEFINITION

“ A self-contained community of microorganisms, animals and plants, that interact with each other and with their physical environment.”

eg a rock pool





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Satyanarayana Reddy

Thank you.