

Codon Biotech Pvt.Ltd.Noida

BROCHURE 2014-15

CODON BIOTECH : A BRIEF PROFILE

- Codon Biotech is a Private Limited Company whose exclusive Mandate is Research and Product Development
- CBPL is an ISO 9001:2008 certified organization and a DSIR (DST-GOI) approved Scientific and Industrial Research Organization (SIRO) having a substantive capacity of in-house R&D.
- Codon Biotech is one of the few companies that have been identified by Department of Biotechnology, GOI, under the Small Innovative Business Research Initiative programme (SBIRI). Through SBIRI Codon Biotech has been provided with a research project grants.
- Codon Biotech Pvt. Ltd. is involved in Contract Research and development of Biotech ventures with commercial applications.
- Codon Biotech has established its own infrastructure, technical knowhow and in house production unit for manufacturing of scientific, teaching and research kits which are used in Biotech research. At present it offers 60 different kits under this programme.
- Codon Biotech provides training and subsequent employment to students provided to us by DBT under the BITP (Biotech Industrial Training programme) programme
- CBPL also provides infrastructure, research guidance and knowhow for students of Undergraduate, Post graduate courses and PhD students enrolled in different university for completion of their dissertation work or summer projects in our laboratories. The directors also are registered external supervisors for PhD students.

- **Codon Biotech is involved in organizing hands on experimental workshops for different colleges of Delhi University and Colleges of NCR. The workshops are also conducted for Faculty development programmes.**

RECENT PATENTS

1. Patent Application No. 1040/DEL/2013: Process for producing Riboflavin by mutant *Bacillus atrophaeus* from lignocellulose-containing material

2. Patent Application No. 2671/DEL/2013 : A novel Process for Production of 1,3, Propanediol from Biodiesel waste glycerol by mutant *Enterobacter aerogenes* and its cost effective Purification.

RECENT PUBLICATIONS

1) P. Gopinathan , S Kumar, F K Pandey, T Bhatnagar, A.K. Bhatnagar : Biodegradation of Lignin & Cellulose in solid State Fermentation of Sugar Cane Bagasse by an Ascomycota Fungus (2011) International Journal of Current Research. Vol. 3, Issue, 10, pp.035-037, September, 2011

2) Prachi Sharma, Purnima Gopinathan, F K Pandey and Tripti Bhatnagar: In-vitro Antimicrobial Activities of Aqueous and Alcoholic Extracts from a common weed *Launaea nudicaulis* (Linn.) Hook. (2011) "VEGETOS"- An International Journal of Plant Research. Vol. 24 (1) : 93-95 (2011).

3) F K Pandey, S Kumar and T Bhatnagar: Effect of an Organic Pesticide on Growth and Heterocyst Formation of Two N₂-Fixing Cyanobacteria. (2011) International Journal of Current Research. Vol. 3, Issue, 10, pp.014-016, September, 2011

4) P. Gopinathan, S Kumar, F K Pandey, T Bhatnagar, A.K. Bhatnagar : Isolation and Characterization of Microorganisms involved in utilizing Biodiesel waste glycerol as carbon source. (2012) Indian Journal of Scientific Research. 3:1. 65-69.

5) V. Attri, P. Gopinathan , S Kumar, F K Pandey, T Bhatnagar, AK Bhatnagar: Comparative analysis of waste oil degradation by Bacterial and fungal strains (2012) International Journal of Agriculture, Environment and Biotechnology.5:3,199

6) Gopinathan Purnima and Bhatnagar Tripti: Mutational Analysis of Pre-Core Gene of Hepatitis B Virus (2012) *Elixir Appl. Biology* 47 (2012) 8901-8902

7) F K Pandey, Purnima Gopinathan and Tripti Bhatnagar: *In-vitro* Antimicrobial Activity of Latex and Leaf Extract from a common weed *Calotropis procera* Ait. (2011) *Environment and Ecology*, 29:1172-1175.

8) Sweta Sanguri, Shubhaha Kapil, Purnima Gopinathan, F K Pandey and Tripti Bhatnagar: Comparative screening of Antibacterial and Antifungal Activities of some Weeds and Medicinal Plants Leaf Extracts: An *in-vitro* Study. (2012) *Elixir Appl. Botany* 47 (2012) 8903-8905.

9) S Kumar, P Gopinathan, F K Pandey and T Bhatnagar: Comparative analysis of Antimicrobial Activities of some common plant leaf extract. (2011) *Elixir Appl. Botany* 47 (2012) 8903-8905

10) F K Pandey, S Kumar and T Bhatnagar: Diversity of Cyanobacterial Flora from Rice Fields of Ghaziabad District. (2011) (Communicated to journal of Applied Phycology)

11) I. Bhatnagar, S Kumar, F K Pandey and T Bhatnagar : Microbial degradation of textile industry effluent (2013) *Elixir Appl. Botany* 56 (2013) 13305-13307

12) Kapil, S; Gopinathan, P; Pandey, FK; Bhatnagar, T: Screening of Antibacterial and Antifungal Activities of Some Weeds and Medicinal Plants Leaf Extracts (Sep 2011) *Environment and Ecology*, ISSN: 0970-0420 , 29, Issue 3A (1351-1354)

13) Pandey,V, Kapil, S, Bhatnagar, T: Studies on microalgae and related production of fatty acid methyl esters.(2013) (Accepted by Bulletin of Pure and Applied science-Botany.)

14) Awasthi, S, Gahlot S, Kumar S, Bhatnagar T: Isolation, characterization and antimicrobial screening of actinomycetes from different soil in Uttar Pradesh.(2014) *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, Vol.5(3), 1537-1544)