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Prof. Dr. G. D. Tandon

Designation : Professor
Email Id : **g.tandon@dpu.edu.in**
Phone No : 91 20 65101870/1
Qualification : M.Sc., Ph.D.
Area of Specialization: Industrial Microbiology, Fermentation Technology, Quality Control, Quality Assurance & Regulatory Affairs in Drugs and Pharmaceuticals, Biosafety, Bioethics & IPR in Biotechnology.



Academic Qualifications

Ph.D. Industrial Microbiology, 1970, Allahabad University, India.

Thesis title: Taxonomic and physiological studies of certain microorganisms.

M.Sc. Botany, Specialization in Microbiology, 1965, Allahabad University, India. Thesis title: Penicillia of India.

B.Sc. Chemistry, Zoology and Botany, 1963, Agra University, India.

Additional Qualifications

Post Graduate Diploma in Microbiology and Bioengineering, 1974, Osaka University, Japan, "International Post Graduate University Course in Microbiology" UNESCO Fellowship.

Proficiency Certificate in German Language, 1967, Allahabad University, India

Proficiency Certificate in French Language, 1973, M.S University of Baroda, India.

Professional Experience

1. Director (August 17 2004 - September 2005): Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Akurdi. (an additional charge of Director held during June-August, 2006 & 2007)
Administration, Research & Teaching
2. Professor of Biotechnology (September 2005 till to date): Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Akurdi, Pune – 411 044, MS, India.
Teaching: Industrial Microbiology, Biosafety, Bioethics and IPR, Quality Control Management, Food Biotechnology, marine Biotechnology.
3. Dy. General Manager (1987 – 1995): R&D, Hindustan Antibiotics Ltd. Pimpri, Pune, India.
Research: Pan Lab Penicillin Project, Cephalosporin C, 7 ACA and downstream products, Polyene anti-fungal antibiotics project: Aureofungin – an anti-fungal antibiotic from *Streptoverticillium* sp.
Development: Production of Gentamicin, Streptomycin, Penicillin G, Anti-fungal antibiotics at Laboratory and Pilot Scale. Human, Veterinary and Agriculture products. The Human formulations covering antibiotics, anti-inflammatory, anti-fungal, and anti-protozoal agents in tablets, capsules, dry powder injectables, syrups, SVP and LVP.

4. Head, Quality Control and Quality Assurance of drugs (1995 – 2004), Hindustan Antibiotics Ltd. Pimpri, Pune, India. Quality Control for bulk drugs, formulations, Contract manufacturing as per IP, BP and USP and Control of regulatory affairs.
5. Manager, Research and Production (1971 – 1987): Ambalal Sarabhai Enterprises Ltd. Vadodara, India. Research: Biosynthesis of Vitamin ‘C’ by Microorganisms. Development: Fermentation technology for D-Fructose, Gluconic Acid/Calcium Gluconate and industrial enzymes production.
6. Research Associate (1973-1974): Osaka University, Japan. Research: “Optimization policies of Industrial Bacterial amylase production”.
7. Assistant Research Chemist (1969-1971): M/s Maize Products, Ahmadabad. Research: Product development of microbial enzyme technology and co-ordination in the commercial production of enzymes. Development: (i) Koji process and submerged process for the commercial production of bacterial amylase by isolating high yielding indigenous strains of micro-organisms. (ii) Submerged fermentation process for the commercial production of alkaline protease enzyme from the isolation of culture to the recovery of enzyme. (iii) Improvement in yields of Amyloglucosidase enzyme.
8. Experience in various Industrial Scale Technologies: Industrial Enzymes, namely, amylase, bacterial protease and fungal gluco amylase, Vitamin ‘C’ process, Gentamicin, Streptomycin, Penicillin G., Anti-fungal antibiotics, D-Fructose, Gluconic Acid/Calcium Gluconate, Starch Hydrolysate / Dextrose, A few biotechnological Products up to laboratory and pilot scale, Wine Fermentation and process.

Awards and Fellowships

1. UNESCO (1973-74) Osaka University, Japan, International Fellowship, From UNESCO for International Post Graduate University Course in Microbiology.
2. Managerial Excellency Award from Hindustan Antibiotics 1997.
3. Managerial Excellency Award from Hindustan Antibiotics 1998.

Memberships

1. AFOB, Asian Federation of Biotechnology International Centre for Biotechnology, Osaka, Japan.
2. Dy. Editor, Hindustan Antibiotics Bulletin, 1995-2000.
3. Member Board of Studies, Biotechnology, Dr. D.Y.Patil Biotechnology & Bioinformatics Institute. Pune.
4. Member Board of Faculty, Biotechnology Dr. D.Y. Patil Biotechnology & Bioinformatics Institute. Pune.
5. Member Board of Studies, Bioinformatics, Dr. D.Y. Patil Biotechnology & Bioinformatics Institute. Pune.
6. Member Board of Academic Council, Dr. D.Y. Patil Vidyapeeth (DPU). Pune.
7. Member Board of Studies in Biotechnology- Allied Health Sciences Faculty, Pravara Institute of Medical Sciences (DU) Maharashtra.
8. Member International Center for Biotechnology, Osaka University, Osaka, Japan.
9. Member International Forum on Industrial Bioprocesses, France (www.ifibiop.org).

Invited Speaker

1. Manufacturing of biotechnologically Derived Products in India. The problems and prospects. International conference on Frontiers in Biotechnology held at Trivandrum from Nov. 26 -29, 1997.

Published in Advances in Biotechnology.

2. Biotech Industry. The industry of the New Millennium. Paper presented by Dr. G. D. Tandon at National Seminar on Biotechnology & Bioinformatics Challenges and prospects –March 28, 2004 at Rai University New Mumbai.
3. Chemicals by Fermentation from Lignocellulosic Waste. Paper Presented by Dr.G.D.Tandon at International Conference on Advances in Biotechnology & Bioinformatics held at Pune from Nov 25-27 2013.

Students Guidance

a. Guiding Ph.D. students since 2011

1. Amol Salgare, “Studies on Mutanase from Actinomycetes for the prevention of Dental Caries”.
2. Pooja Sharma, “Screening and Characterization of Microalgae for Enhanced Oil Production”. (**PhD Awarded in 2015**)

b. Guide for M.Tech, M.Sc and B.Tech Students, Research Projects.

1. Deepanshu Kumbhare “Studies on the Antimicrobial Activities from Various Indian Herbs and Spices” B.Tech Biotech. Jan.2016- June 2016.
2. Nikita Daniel “Studies on the Production of beta-lactamase Inhibitors and Antimicrobial Compounds from Penicillium species: Role of Various Nitrogen Sources on the Production”. B.Tech Biotech. Jan.2016- June 2016
3. R.K.Patra “Studies on the antibacterial activities of Actinomycetes Isolated from Soil” B.Tech Biotech. Jan.2016- June 2016.
4. Shreya Shah. “Isolation and Screening of Streptomycetes Showing Betalactamase Inhibitor Activity” B.Tech Biotech. Jan.2016- June 2016.
5. Utilization of Lignocellulosic Wastes as Feedstock for Fungal Lipid Production(Biodiesel): By Sumain Raza B.Tech Biotech. Jan.2016- June 2016
6. Promod Sutar. “Bioethanol Production from Vegetable Wastes” B.Tech Biotech. Jan.2016- June 2016.
7. Akanksha Singh. “Studies on Betalactamase Inhibitors from Various Indian Herbs and Spices” B.Tech Biotech. Jan.2016- June 2016.
8. Optimization of Media for the Overproduction of Beta lactamase Inhibitors from Penicillium purpurogenum by Using Different Carbohydrate Sources: By Akshay Bavaskar B.Tech. Biotech. Jan.2016- June 2016.
9. Deepti Shukla.”Studies on the Isolation and Biofuel Production from Fresh Water Green Algae” B.Tech Biotech. Jan.2016- June 2016.
10. Akash Rathod. “Bioethanol Production from Lignocellulosic Agriclural Wastes” B.Tech. Biotech. Jan.2016- June 2016.

- 11 Shraddha Jadhav. B.Tech Biotechnology. 2015. Fungal Biofuel Production from Lignocellulosic Refuse.
12. Sasha Fernandes. B.Tech. Biotechnology. 2015. Optimization of Media for the Overproduction of Betalactamase Production from *Penicillium purpurogenum*.
13. Neha Kumari. B.Tech. Biotechnology. 2014. Utilization of Lignocellulosic Waste as Feedstock for Fungal Lipid Production.
14. Anupma Singh. B.Tech. Biotechnology. 2014. Studies on the Production of Betalactamase Inhibitors from *P.pupurogenum*.
15. Akansha Singh. B.Tech. Biotechnology. 2014. Studies on the production of Fungal biofuels.
16. Kisore Kulkarni. B.Tech. Biotechnology. 2014. Evaluation of Unicellular Microalgae for Enhanced Growth and Lipid Production.
17. Jaydip Bedse. M.Sc. Biotechnology. 2013. Antimicrobial activity of plant extracts on *Streptococcus mutans* isolated from dental plaques.
- 18 Soni Kumari Shrivastava. M.Sc. Biotechnology.2013.Studies on the isolation, identification and lipid production from some oleaginous fungi
19. Sourabh Dubey B. Tech Biotechnology. 2013. Studies on the production of Beta Lactamase inhibitor from *Penicillium* sp.
20. Hansley Jadhav B. Tech Biotechnology. 2013. Studies on the production of gluconic acid from agro-industrial waste.
21. Mritika Goswami B. Tech Biotechnology. 2013. Studies on the production of bio-ethanol from agro industrial wastes.
22. Rajiv Kumar B. Tech Biotechnology. 2013. Studies on the Beta lactamase inhibitors from spices and herbs.
23. Kritika Gupta B. Tech Biotechnology. 2013. Isolation, characterization and mutan production from cariogenic Streptococci isolated from dental plaques.
- 24.Sonakshi Kadiyan B.Tech Biotechnology. 2012. Studies on Screening, Isolation, and Characterization and Mutan production from cariogenic Streptococci,
25. Praneeta Kaul. B.tech Biotechnology. 2012. Studies on Betalactamase inhibitors from various Indian spices and Herbal products.
26. Alok Kumar Singh, 2011, B.tech Biotechnology. “A Comparative study for the Conversion of various Lignocellulosic Biomass into Bioethanol”.
27. Ashwani Kumar Mishra, B.tech Biotechnology. 2011, “Studies on the Production of Bioethanol from Mixed Lignocellulosic Biomass”.
28. Nishtha Kamthan, B.tech Biotechnology. 2011, “Studies on the Green Algae with Special Attention to the Production of Alternative Fuels”.
29. Jyotsna Singh, B.tech Biotechnology. 2011, “Studies on the cultivation of Green Algae along with their Lipid Contents”.
30. Kanishk Abhinav, B.tech Biotechnology. 2010, “Conversion of Biowastes into Bioethanol”.
31. Minal Deshmukh, 2009, “Biofuel from Cellulosic Agricultural Wastes”.
32. Jayshree Kachave, 2 B.tech Biotechnology. 2008, “Production of Bioethanol from Agricultural Waste Commodities, Banana Peels”.
33. Chetan Madhup, B.tech Biotechnology. 2008, “Production of Bioethanol from Agricultural Waste Commodities, Potato Peels”.

Patents

1. Mujawar S.K., Sudhakaran V.K., Shewale J.G., Tandon G.D. and Naik S.R. An improved method for extraction of D-Aminoacid oxidase from *Trignopsis variabilis* cells. Indian Patent application No. 386/BOM/94.

2. Deshpande B.S., Ambedkar S.S., Shewale J.G., Tandon G.D. and Naik S.R. A novel method for extraction of Glutaryl acylase from E.coli cells. Indian patent application No. 395/BOM/94.

Papers Published in Peer Reviewed Scientific Journals

1. Aishwarya Shridhar , Kreema James and G.D.Tandon. 2015. Agricultural and Domestic Refuse as Feedstock for Microbial Production of Bioethanol. ID: IC/DAVIM/2015/168, Research paper
2. N. P. Chavan, R. Pandey, N. Nawani, R. K. Nandab, G. D. Tandon and M. B. Khetmalas.(2015). Biocontrol potential of actinomycetes against *Xanthomonas axonopodis* pv. *punicae*, A causative agent for oily spot disease of pomegranate. *Biocontrol Science And Technology*.DOI 10.1080/09583157.2015.1116057.
3. Pooja Sharma, M.B.Khetmalas and G.D.Tandon (2015) Evaluation of *Chlorella ellipsoidea* for Biodiesel and Bioethanol Production. *Asian Jr. of Microbiology, Biotechnology and Environmental Sciences* 17(4)--
4. 4. Saurabh Dubey, Ketki Patil, Pooja Sharma and Ghanshyamdas Tandon (2015) "Penicillium piceum: A Potential Source for Antimicrobial Agents and Beta-lactamase Inhibitors" *Biologia* 70 (1) 19-26.
5. Pooja Sharma*, M.B. Khetmalas And G.D.Tandon. (2014). Studies On The Enhancement Of Lipid Production In *Chlorella Pyrenoidosa*. *Int J Pharm Bio Sci* 2014 July ; 5 (3) : (B) 570 – 578
6. P Sharma *, P Patil, N Rao, KV Swamy, MB Khetmalas and **G.D. Tandon** (2014) Mapping Biodiversity of Indigenous Freshwater Chlorophytes. *RJPBCS* 5(3), 1632-39
7. Sohail Shaikh*, Rajiv Lochan, Praneeta Kaul and **G. D. Tandon** (2014) β -lactamase Inhibitors from Indigenous Herbs and Spices. *RJPBCS*. Vol 5 : 2,275-285 2014.
8. P Sharma, P Patil, N Rao, K V Swamy, M B Khetmalas and **G. D. Tandon**. 2013. Algal Database— Bioprospecting indigenous algae for industrial application *Indian Journal of Biotechnology*, Vol 12, October 2013, pp 548-549
9. Pooja Sharma, Praneeta Kaul, M. B Khetmalas and **G. D. Tandon**. 2013. Antibacterial, Antialgal and β -

lactamase Inhibition Activity of *Penicillium Purpurogenum var Rubrisclerotium*. Paripex Indian Journal of research 2(2) 17-19.

10. Sharma P, **Tandon G. D** and Khetmalas M. B. 2013. Total Biomass Utilization of *Spirogyra singularis* for Renewable Biofuel Production. International Journal of Biology, Pharmacy and allied Sciences (IJBAPS). 2(1) 138-148.
11. Minal Deshmukh, R.S. Deshpande & **G.D. Tandon, 2010**. Biofuel Production from Cellulosic Agricultural Waste. International Journal of Chemical Engineering Research. Vol-2. No.2. pp 197-217.
12. Malviya H.K., Golwalkar M., Narayanan M.S. and **Tandon G.D. 1994**. Preliminary studies on a *Streptomyces* sp. CS-14 showing broad spectrum antibiotics activity. Hindustan Antibiotics Bulletin Vol. 36 (182) 21-29.
13. Mehrotra B.S. and **Tandon G.D. 1970**. Addition to Penicillia of India – I. Nat. Acad. Sci. India 39 (B) I & II 115-120 1969.
14. **Tandon G.D.** and Mehrotra B.S. **1970** Addition to Penicillia of India II. G.K.V.J. Sci. Res. II 18-22
15. Mehrotra B.S. and **Tandon G.D. 1970** Mycological production of Itaconic acid III Role of mineral elements and alcohol. Hindustan Antibiotics Bull. 12 (4) 164 – 178.
16. Mehrotra B.S. and **Tandon G.D. 1970** Mycological production of Itaconic Acid I – Effect of temperature, pH and incubation period. Hindustan Antibiotics Bull. 12 (4) 147 – 155.
17. **Tandon G.D.** and Mehrotra B.S. **1970** Mycological production of Itaconic acid. II Suitability of some carbon and nitrogen sources. Hindustan Antibiotics Bull 12 (4) 156 – 163.

Papers Presented in National and International Conference and Published in the Proceedings

1. Aishwarya Shridhar , Kreema James and **G.D.Tandon**. 2015. Agricultural and Domestic Refuse as Feedstock for Microbial Production of Bioethanol. SUSTECH-15.DAVIM, Faridabad.International Conference on Technology for Sustainability, Engineering, Information Technology, Management and Environment (ICETSCET), 28 Nov.2015
2. Sohail sheikh, Neha Kumari & **G.D.Tandon** .2014. Production of Biodiesel from Oleaginous Fungi. ICETB. 2014. JNU New Delhi. Nov.6-11.
3. Sharma P, Jaiswal T, Dixit P, Hulavale P, Khetmalas M.B. and **Tandon G. D** (2014).

Cultivating *Chlorella pyrenoidosa* from Laboratory to Pilot Scale: Assets & Challenges. Pharmeet 2014,8 Feb. Mitcon Institute, Pune, India.

4. Puja Pushp, Maithili Nanadikar, Shilpa Pathak, **G.D. Tandon**, N.N. Nawani. Synthesis of Ecofriendly Biobased Packaging Material to Enhance Shelf Life of Food. International Conference on Advances of Biotechnology and Bioinformatics (ICABB 2013), Pune. November 25-27 2013.
5. Kritika Gupta, Jaydeep Bedse, Pathak S S, Salagare A.D, N.N. Nawani and **G.D. Tandon**, Antimicrobial Activity of Some Herbs and Partially Digested Vegetable Oils against the Carcinogenic Streptococci Isolated from Dental Plaque Samples. International Conference on Advances of Biotechnology and Bioinformatics (ICABB 2013), Pune. November 25-27 2013.
6. Priyanka Pradhan, Fahama Riyaz, Salagare A.D, **Tandon G.D**, N.N. Nawani. Conservation of Orchids by Artificial Soil Abatement using Agriculture and Marine Waste. International Conference on Advances of Biotechnology and Bioinformatics (ICABB 2013), Pune. November 25-27 2013.
7. **G.D.Tandon** (2013) Chemicals by Fermentation from Lignocellulosic Wastes. Invited Lecture .International Conference on Advances of Biotechnology and Bioinformatics (ICABB 2013), Pune. November 25-27 2013.
8. Sohail Shaikh*, Rajiv Lochan, Praneeta Kaul and **G. D. Tandon** (2013) Inhibitors for β -lactamases from indigenous Herbs and Spices. Poster presentation at International Conference on Advances of Biotechnology and Bioinformatics (ICABB 2013), Pune. November 25-27 2013.
9. Saurabh Dubey, Ketki Patil, Pooja Sharma and **Ghanshyamdas Tandon**. *Penicillium piceum*: a Potential Source for Antimicrobial Agents and Beta-lactamase Inhibitors. Poster presentation at International Conference on Advances of Biotechnology and Bioinformatics (ICABB 2013), Pune. November 25-27 2013.
10. Pooja Sharma, M. B. Khetmalas and **G. D. Tandon** (2013). Lipid Profile of Certain Microalgae to Determine their Significance for Biodiesel Production. Poster presentation at International Conference on Advances of Biotechnology and Bioinformatics (ICABB 2013), Pune. November 25-27 2013.
11. Singh, M .Goswami, M .Angolkar, A. Gawande, V. Chavan and **G.D. Tandon**. Lignocellulosic Wastes- an ideal feedstock for Alternative Green Fuel Production. Poster presentation at International Conference on Advances of Biotechnology and Bioinformatics (ICABB 2013), Pune. November 25-27 2013.
12. Shrivastava va S, Shaikh S*, Sharma P and **Tandon G.D.**(2013). Lipids from Oleaginous fungi for Biodiesel Production. Amrita Bio Quest 2013 - International Conference on Biotechnology for Innovative Applications. Aug 11-14.2013. Amruta University, Kollam, Kerala. India.
13. Hansley Jadhav, Mrittika Goswami, Shilpa Pathak and **G.D.Tandon** (2013).Utilization of Agricultural wastes for Calcium Gluconate Production by *Aspergillus niger*. First International & Third National Conference. Biotechnology, Bioinformatics & Bioengineering Organized by The Society for Applied Biotechnology, held at Tirupati Andhra Pradesh. June 28-29. 2013.
14. Bedse Jaydip, A.D. Salagareand **G.D.Tandon** (2013). Antimicrobial Activity of Certain Herbs used in Indian Dental Formulations Against the Cariogenic Streptococci. First International & Third National Conefrence. Biotechnology, Bioinformatics & Bioengineering Organized by The Society for Applied Biotechnology, held at Tirupati Andhra Pradesh. June 28-29. 2013.
15. D. Prakash, P. Sharma, M. Prakash, N.N. Nawani, M.Bodas, **G.D.Tandon** and M.B.Khetmalas. (2013).

Isolation and management of diverse algal strains for remedial sequestration of Carbon dioxide. International conference on ALGAL BIOREFNERY A potential Source of Food, feed biofuels and biofertilizers (ICAB 2013). Jan 10-12, 2013

16. P. Sharma, P. Kaul, **G.D. Tandon** and M.B. Khetmalas (2012) Microbial Fermentation of *Penicillium purpurogenum* var *rubrisclerotium* for its Antibacterial, Antialgal and β lactamase Inhibitor Activity. National Seminar on Recent Trends in Microbial Fermentations, Sadguru Gadage Maharaj College, Karad, Sponsored by UGC, New Delhi. 27-28 December 2012.
17. P. Patil, P. Sharma and **G.D. Tandon** (2012) GMP Enforcement in Wineries. National Seminar on Recent Trends in Microbial Fermentations, Sadguru Gadage Maharaj College, Karad, Sponsored by UGC, New Delhi. 27-28 December 2012.
18. Kaul P, Shaikh S* and Tandon G. 2012. Penicillins inhibitors from various Indian Herbs and spices. National Conference on Environmental Sciences and Health & Hazards & the 14 Th Annual Meeting of Society for Science and Environment, Department of Biotechnology and Microbiology, Karnataka University. Dharwad. November 19-21, 2012.
19. Kaul P, Sharma P and **Tandon G.D.** (2012). Studies on Beta lactase Inhibition from Various Indian Spices and Herbs. Internal Conference on Biotechnology: Emerging Trends (ICB-2012), Department Of Biotechnology, Chaudhary Devi Lal University, Sirsa (Haryana) India. Sept 18- 20, 2012.
20. Sonakshi Kadyan. Amol Salagare, N. Nawani and **Tandon G.D.** (2012). Studies on Screening, Isolation, and Characterization and Mutan production from cariogenic Streptococci. Internal Conference on Biotechnology: Emerging Trends (ICB-2012), Department Of Biotechnology, Chaudhary Devi Lal University, Sirsa (Haryana) India. Sept 18- 20, 2012.
21. Sharma P, Patil P, Khetmalas M and **Tandon G.** 2012. Alternative Green Fuels from Unicellular Fresh Water Microalgae. Internal Conference on Biotechnology: Emerging Trends (ICB-2012), Department Of Biotechnology, Chaudhary Devi Lal University Sirsa Haryana Sept 18- 20. 2012.
22. Singh A., Pal S., Gadekar V., and **G. Tandon**, 2012. Development of low cost technology for production of bio ethanol through bioconversion of agricultural waste Indo- Sri Lanka International Conference on "Agro Biotechnology for Sustainable Development (ABSD- 2012) Colombo, Sri Lanka March 12-13. 2012.
23. Kamthan N., Sharma P., Gadekar V., Adhikari T., Khetmalas M. and **G. Tandon** 2012. Algal Biomass, an Alternative Source of Green Fuels. International Seminars on Emerging Threats & Challenges to Biodiversity: Policy Framework for Sustainable Management "ETCOB 2012" Sri Venkateswara University, Tirupati, AP, India. 2-3rd March 2012
23. Alok Kumar, Ashwini Kumar, Pooja Sharma, Amol Salagare, N. N. Nawani and G.D. Tandon (2011) Production of Bioethanol from agricultural wastes. National Seminar on Frontiers in Biotechnology and Bioinformatics, Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Tathwade, Pune, Feb. 2011
24. Jyotsna Singh, Nishtha Kamthan, Pooja Sharma, M.B. Khetmalas, **G.D. Tandon** (2011) Production of Biofuels from Microalgae. National Seminar on Frontiers in Biotechnology and Bioinformatics, Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Tathwade, Pune, Feb. 2011.
25. Chetana Tamboli, Uma Maheshwari, A. D. Salagare, N.N. Nawani and **G.D. Tandon** (2010). Proteolytic enzymes from halo tolerant microbes and their role in nutrient recycling in saline ecosystems. Research Meet. Mithibhai College, Mumbai, India, Dec 2010.
26. Pooja Sharma, Amol Salagare, Shilpa Pathak, A. D. Deshmukh, V. G. Gadekar, N. N. Nawani and **G. D. Tandon** (2010) Ethanol production from agricultural commodity wastes. Research Meet 2010, Mithibai College, Vile-Parle, Mumbai, Dec. 2010.
27. Gadekar VG.; Pathak SS, Mukherjee SR, Sanghani JA, Deshmukh AA, Salagare AD, Nawani NN, **G. D. Tandon**, and BP Kapadnis (2010) Effect of agricultural and bioindustrial waste on survival of acidophilic actinomycetes. UGC sponsored National conference on Emerging Trends of Biopharmaceuticals, Thapar

University, Patiala, and Panjab, India. Nov. 2010.

28. Pathak S., A. Bansal., S. Bhoir, K. Bhardhwaj, A. Deshmukh, A. Salagare, V. Gadekar, N. Nawani & **G. D. Tandon**. Synthesis of Biodegradable film from bacterial exopolysaccharide Nov. 2010. National Conference on Emerging Trends in Biopharmaceuticals: Relevance to Human Health (NCETB) , Patiala, Punjab, India, Nov. 2010 .
29. Sukrit Singh, Mickey Shah, Amir Ali, Nawani N. N and **G. D. Tandon** (2010). Plant growth promoting properties of bacteria isolated from mangrove rhizosphere. International Conference on Frontiers in Biological Sciences, National Institute of Technology, Rourkela, Orissa, India Oct 2010.
30. Tamboli. C.; Salagare A. D.; **G. D. Tandon** and Nawani N. N. (2010) Characterization of halotolerant protease from *Halo bacillus* sps ADN1, an isolate from mangrove soils, UGC Sponsored International Conference on “ Aquatic Microbiology: Status, Challenges and Opportunities” Annamalai University, Annamalai nagar, Tamilnadu, India, Sep. 2010.
31. Kanishk Abhinav, G. Joshi, R. Patel, A. Salagare, A. Deshmukh, A. Bhushan, S. Singh, A. Maurya, S. Pathak, S. Pawar, N. Nawani, and **G. D. Tandon** (2010) Non-edible lignocellulosic refuse as feedstock for microbial production of bioethanol. Climate Change Conference, University of Queensland, Brisbane, Australia, 8th-10th July 2010.
32. Puja Pusph, Siddika Majid, Nawani N.N, Shilpa Pathak and **G. D. Tandon** (200). Biodegradable films for food wraps in ecofriendly replacement for plastics. Symbiot 10, Manipal Institute of Technology, Manipal, India, March 2010.
33. Pathak S., Kaushik M., Bhatt M., Mehtha.A., Shah U., Pawar S., Nawani N. and **Tandon G. D.** (2010) Xanthan gum production using potato wastes by semi solid fermentation. National Congress on “Bioinoculants for Sustainable agriculture”. Shahada, India, Feb 2010.
34. Pawar S., Misra R., Kamthan N., Gupta S., Pathak S., Nawani N and **G. D. Tandon** (2010). Screening of biosurfactant producing bacteria from diesel contaminated soil. State level conference on “Recent trends in physic-chemical sciences, biotechnology and biodiversity”, Dr. D.Y. Patil ACS College, Pimpri, Pune. Feb 2010.
35. Malhotra A., Nawani N.N., Singh A., Pawar S.V., Prakash. D, Tereladakar S and **Tandon G. D.** Studies on Prospective bioinoculum for the sustenance of mangroves for prevention of Tsumani. International Congress of Chemistry and Environment. Thailand. Jan 2010.
36. Ankit Saxena, Megha Iyer, Nidhi Vishal, N. N. Nawani and **G. D. Tandon** (2009) Comparative studies on pretreatment methods employed for the saccharification of lignocellulosic residues. Proceedings of Indo-Italian conference in Emerging Trends in Waste Management Technologies, Pune. India, Dec 2009.
37. Ankit Saxena, Megha Iyer, Nidhi Vishal, S. V. Pawar, S. S. Pathak, A. D. Salagare, A. Deshmukh, N. N. Nawani and **G. Tandon** (2009) Biofuel production from lignocellulosic residues by segregated saccharification and fermentation. UGC sponsored National conference on “Climate change and challenges to biodiversity conservation”, Pune, India. Dec 2009 (2nd prize winner).
38. Malhotra A., Nawani N.N., Singh A., Pawar S.V., Prakash. D, Tereladakar S and **G. D. Tandon** (2009). Studies on microbial diversity of mangrove ecosystem of Ratnagiri. Proceedings of Climate Change and Challenges in Biodiversity Conservation. Pune, India. Dec 2009.
39. Pradhan P., S. V. Pawar, S. S. Pathak, A. D. Salagare, A. Deshmukh, N. N. Nawani and **G. D. Tandon** (2009) Utility of lignocellulosic and marine waste for enhancing growth of flowering plants. UGC sponsored National conference on “Climate change and challenges to biodiversity conservation”, Pune, India. Dec 2009.

40. Dr.R.K.Nanda and Dr. **G.D.Tandon** 2004 - Biotech Industry. The industry of the New Millennium. Paper presented by Dr.G.D.Tandon at National Seminar on Biotechnology & Bioinformatics Challenges and prospects – Presented on 28th March 2004 at Rai University New Mumbai.
41. **G. D. Tandon** and Nanda R.K. 1997. – Manufacturing of biotechnologically Derived Products in India. The problems and prospects. International conference on Frontiers in Biotechnology held at Trivandrum from Nov. 26 to 29, 1997. Published in Advances in Biotechnology.
42. **G. D. Tandon** Narayanan M.S., Vakil P.R., and Nanda R.K. 1993 Prospects and problems of handling pellet morphology in industrial fermentation. International Co-operation and Education in Applied Microbiology. Proceedings of International symposium of 20th Anniversary of Int. Post graduate university course in Microbiology at Osaka University, Japan Sept. 20-22, 1993. 92-101.
43. **G. D. Tandon**, Gaikwad U.V., and Bannur B.B. 1992. Use of antibiotic waste as organic fertilizer and animal feed supplement. National seminar on organic farming, Mahatma Phule Krishi Vidyapeeth, College of Agriculture Pune, 18th April 1992.
44. Yoshida T., **G. D. Tandon**, Hokka C.O. and Taguchi H. 1974 Optimum policies of the agitation and aeration in bacterial amylase production. Proc. first International Cong. IAMS 1974, Tokyo, Japan. 65-81.
45. Mehrotra B.S. and **G. D. Tandon** 1968 – Preservation of Industrial Cultures by lyophilization. Proc. Int. Conf. Cultural Collection. 1968 Tokyo University, Tokyo, Japan. Pub. 1970 319-327.

Data Base

Algae Data Base

Collection and Database Generation of Indigenous Eukaryotic Algae from different regions of India <http://algaedb.dpu.edu.in>. 2012.