

## Dr. Gajanan B. Zore

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### Projects (Ongoing)

- 1. Principal Investigator** Project entitled, PROTEOMIC ANALYSIS OF *CANDIDA ALBICANS* -----  
----- DIFFERENTIALLY EXPRESSED PROTEINS.” Under the  
**SERC Fast Track Scheme for Young Scientists**, DST, New  
Delhi, India: **2010 to 2013. (Cost: 22 L)**
- 2. Principal Investigator:** Project entitled, PROTEOMIC ANALYSIS OF *CANDIDA ALBICANS* -----  
----- TEMPERATURE.” BCUD, SRTM University sponsored, **Minor  
Research Project**, UGC, India: **2010 to 2012 (Cost: 0.88 L).**
- 3. Co investigator:** Project entitled, PROTEOMIC ANALYSIS OF *CANDIDA ALBICANS* -----  
----- DIFFERENTIALLY EXPRESSED PROTEINS.” Under the  
**University Grants Commission (UGC) Major Research  
Project**, UGC, India: **2010 to 2013. (Cost: 10.44 L)**

### Selected Research Publications

- Zore G. B.**, Karuppayil S. Mohan. (2010). Isoprenoids Inhibit *Candida albicans* Growth by Affecting Membrane Integrity and Arresting Cell Cycle. *Phytomedicine* (accepted). **IF: 2.3**
- Zore G. B.**, Rathod V., Karuppayil S. Mohan. (2009). Evaluation of anti-*Candida* potential of Geranium oil constituents against clinical isolates of *Candida albicans*: differentially sensitive to fluconazole. *Mycoses* (doi:10.1111/j.1439-0507.2009.01852.x). **IF: 1.402**
- Zore G. B.**, U. Winston, B. S. Surwase, N. Meshram, V. D. Sangle, S. Kulkarni, S. Mohan Karuppayil. (2008). Chemoprofile and bioactivities of *Taverniera cuneifolia* (Roth) Arn.: a wild relative and possible substitute of *Glycyrrhiza glabra* L. *Phytomedicine*, 15:292-300. **IF: 2.5; CIT: 3.**
- Zore G. B.**, Archana Thakre, B. S. Surwase, N. Meshram, U. K. Halde, S. Mohan Karuppayil *et al.* (2007). Activity-directed-fractionation and isolation of four antibacterial compounds from *Abrus precatorius* L., roots. *Nat. Prod Res.*, 21:9, 933 – 940. **IF: 0.99. CIT: 1.**
- Devkotte AN, **Zore G. B.**, Karuppayil SM. 2005. Potential of plant oils as inhibitors of *Candida albicans* growth. *FEMS Yeast Research*, 5:867-873. **IF: 2.9; CIT: 13.**

6. **Zore G. B.**, Surwase BS, Karuppayil SM. 2003. Antifungal activity of two medicinal plants. *J. Med. Arom. Pl. Sci.*, 25: 682-688.
7. Gacche RN, **Zore G. B.**, Ghole VS. 2003. Kinetics of Polyphenol Oxidase Mediated Browning in Apple Juice by B-Cyclodextrin and L-Ascorbate-2-triphosphate *J. Enz. Inhib. Med. Chem.*, 18(1): 1-5. **IF: 1.726; CIT: 6.**
8. **Zore G. B.**, Surwase BS, Karuppayil SM. 2004. Antifungal activity of *Taverniera cuneifolia* (Roth) Arn., *J. Mycol. Pl. Pathol.*, 34 (2):543-544.
9. Lambat P, **Zore G. B.**, Surwase BS, Karuppayil SM. 2004. Broad-spectrum antifungal activity in essential oils from Lemongrass and Eucalyptus. *J. Mycol. Pl. Pathol.*, 34 (2):545-547.
10. **Zore G. B.**, Kulkarni SS, Surwase BS, Karuppayil SM. 2006. Quality control of commercial licorice samples. In: Proceedings of **National Conference on Bioactive Compounds: New Frontiers and Therapeutic Usage**. Karuppayil S. M. and Gacche R. N. (Eds). p. **109-120**.
11. **Zore G. B.**, Thakre AD., Karuppayil S. Mohan. (2009). ‘**Anti-Candida potential and mechanism of anti-Candida activity of Geranium oil constituents**’ in ‘**4<sup>th</sup> Global Summit on Medicinal and Aromatic Plants**’ organized by Century Foundation, India at Kuching, Sarawak, Malaysia from 1-5<sup>th</sup> Dec. 2009.
12. **Zore G. B.**, Kulkarni, S. S., Rao B. Shasidhar, Karuppayil S. Mohan. (2010). Amphotericin B inhibits sporulation and Aflatoxin production by inducing profuse vegetative growth in a highly toxigenic strain of *A. parasiticus*. *Appl. Environ. Microbiol.* (Under revision).

### **Selected Conferences/Seminars/Workshops participated (Twenty four).**

1. Participated in USDA, Washington D. C., and National Chemical Laboratory (NCL) Pune sponsored Seminar on “**Food Safety Issues: with Specific emphasis on GM Food Crops**” at NCL, Pune From 14<sup>th</sup> to 16<sup>th</sup> Nov. 2010.
2. Attended, “**76<sup>th</sup> Annual Meeting of Indian Academy of Sciences, Bangalore and Symposia**”, at National Institute of Oceanography (NIO), Goa from 11<sup>th</sup> Nov. 2010 to 14<sup>th</sup> Nov. 2010.
3. Participated in a ‘**XXXIII Conference of IBS, and International Symposium** at Shivaji University, Kolhapur from 10<sup>th</sup> Nov. 2010 to 12<sup>th</sup> Nov. 2010.
4. Participated in a Refresher Course on ‘**Biotechnology and Modern Molecular Biology Techniques**’ *Sponsored by* Indian Academy of Sciences, Bangalore; Indian National Science Academy, New Delhi; The National Academy of Sciences, India, Allahabad *in collaboration with* Manipal Life Sciences Centre, Manipal University, Manipal from 11–23 January 2010.
5. Participated in “**Indo-US Workshop on Epigenetic regulation and Genome Control, an emphasis on RNAi and miRNA**” jointly organized by Center for Cellular and Molecular Biology and Institute of Chemical Technology (ICT), Hyderabad India, from 16-18<sup>th</sup> Dec. in 2009
6. Presented a paper in ‘**4<sup>th</sup> Global Summit on Medicinal and Aromatic Plants**’ organized by Century Foundation, India at Kuching, Sarawak, Malaysia from 1-5<sup>th</sup> Dec. 2009
7. Participated in “**BYFF-2007**” an **International Conference on Biology of Yeast and Filamentous Fungi**, jointly organized by National Chemical Laboratory (NCL) Pune and Agharakar Research Institute (ARI) Pune at YASHDA, Pune (MS) India, in 2007.

8. Participated in an international symposium, "**Phytopharma-2005**" organized by Chamber of Marathwada Industries & Agriculture and Indian Pharmaceutical Association, Aurangabad Chapter held at Hotel Ajanta Ambassador, Aurangabad (MS) India, in 2005.
9. Participated in a three-day Global Summit on, "**Knowledge Millennium III: The Business of Biotechnology**" organized by Associated Chambers of Commerce and Industries of India, inaugurated by Honorable President of India, Bharatratna Dr. A P J Abdul Kalam and Millennium address by Dr. J Craig Venter, former president, Celera Genomics, USA and president of The Center for the Advancement of Genomics, USA, in March 2003.

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