ACADEMIC PROFILE

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Dept. of Biochemistry,
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Positions Held

- **Assistant Professor**, Department of Biochemistry, Maharshi Dayanand University, Rohtak -India (15th March, 2010 onwards)
- **Guest Faculty**, Department of Biochemistry, Maharshi Dayanand University, Rohtak -India (15th November, 2005 to 28/02/10).

Higher Education & Research

- **Ph.D.** Department of BioSciences (*erstwhile*), Maharshi Dayanand University, Rohtak, India (March, 1999 – January, 2003)
- **M.Sc. (Biochemistry)**, Maharshi Dayanand University, Rohtak (India) (1st Division, 63.8% (July 1996 – Jun, 1998)
- **B.Sc. (Botany, Chem, Zoology)**, Maharshi Dayanand University, Rohtak (July, 1992 – June, 1995)

Research Interests

- Oxidative stress induced changes in plant system; use of enzymes in biosensors

Research Guidance

Ph.D.- 3 (registered) and M.Sc. (Dissertations) - 11

Conference/Workshop Organization

- **Joint-Secretary**, National workshop on "Genomics and Proteomics" organized by Dept of Biochemistry, M.D. University, Rohtak (Haryana) (3rd March, 2014-5th March, 2014).
- **Member**, organizing committee of DST-INSPIRE PROGRAMME organized by Centre for Biotechnology, M. D. University, Rohtak (April 28-May 2, 2012).
- **Member**, Local organization committee of one day **India-Japan seminar,** Dept of Biochemistry, M.D. University, Rohtak (Haryana) (30th Oct. 2010).

Publications: (International Journals **08,** National Journal(s) **07)**

1. **S Singh**, M Thakur, V Malik, L Goyal and CS Pundir (1998). Influence of NaCl stress on oxalate oxidase activity in germinating seeds of forage sorghum hybrid. *Indian J. Plant Physiol.*, **3**(4): 317-319.
2. CS Pundir, V Malik, AK Bhargava, M Thakur, V Kalia, **S Singh** and NK Kuchhal (1999). Studies on horseradish peroxidase immobilized onto arylamine and alkylamine glass. *J. Plant Biochem. Biotechnol.*, **8**:123-126.

3. L Goyal, **S Singh** and CS Pundir (2000). Immobilization of amaranthus leaf oxalate oxidase on arylamine glass. *Indian J. Chem. Technol.*, **7**: 1-4.
4. V Malik, **S Singh** and CS Pundir (2002). Cholesterol esterase and cholesterol oxidase immobilized onto arylamine glass beads. *Chin. J. Biotechnol.*, **18**(2): 155-161.
5. S Madanpotra, R Chaudhary, **S Singh** and CS Pundir (2004). Preparation of a reusable strip of barley oxalate oxidase for determination of urinary oxalate. *Indian J. Chem. Technol.*, **11**(4): 495-499.
6. **S Singh**, SN Mishra and CS Pundir (2006). Purification and properties of oxalate oxidase from NaCl stressed grain sorghum seedlings. *J. Plant Biochem. Biotech.*, **15**: 55-57.
7. **S Singh**, SN Mishra and CS Pundir (2006). A correlative analysis of oxalate degradation and early nitrate assimilation in grain sorghum under sodium chloride stress. *Indian J. Plant Physiol.*, **11**(3): 295-299.
8. A Sharma, D Sharma, **S Singh** and CS Pundir (2009). Effects of NaCl stress on oxalate oxidase and peroxidase of barley seedlings at early growth stage. *M.R. Int. J. Engg. Tech.*, **1**(1): 69-73.
9. CS Pundir, B Kumari, **S Singh** and J Narang (2010). Construction of an amperometric triglyceride biosensor using PVA membrane bound enzymes. *Clin. Biochem.*, 43: 467-472.
10. CS Pundir, R Devi, J Narang, **S Singh**, J Nehra and S Chaudhary (2012). Fabrication of an amperometric xanthine biosensor based on polyvinyl chloride membrane. *J. Food Biochem.*, 36: 21-27.
11. CS Pundir, Chauhan N, Narang J, Pundir S and **Singh S** (2013). Laboratory diagnosis of swine flu: A review. *Artif Cells Nanomed Biotechnol*, 41: 189-195.
12. Narang J, Malhotra N, Singh G, **Singh S** and Pundir CS (2014). Monitoring analgesic drug using sensing method based on nanocomposite. RSC Advances, DOI: 10.1039/C4RA11255E.
13. Govinda, Sharma A and **Singh S** (2014). NaCl and Cd stress effect on shoot growth of potato cultivar. *Int. J. Res.*, 1: 371-374.
14. Govinda, **S Singh** and Yogesh (2014). NaCl and Cd stress effect on shoot growth of potato cultivar. *Int. J. Innov. Pharma. Sci. Res.*, 2: 1861-68.
15. Govinda, Sharma A and **Singh S** (2014). NaCl and Cd stress effect on shoot growth of potato cultivar. *Int. J. Innov. Pharma. Sci. Res.*, 2: 2590-95.