

About Author

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The author was born on May 02, 1985 in Rewari, Haryana (India). After passing his schooling from Holy Child Public School, Rewari, affiliated to CBSE in 2002, he got graduated in medical subjects from M.D. University, Rohtak, in 2006 and post graduated in Biochemistry, M.D. University, Rohtak, in 2008. Thereafter he worked as research trainee in Ranbaxy Research Lab. Ltd. Gurgaon, Haryana from Aug. 2008 to Jan. 2009. Thereafter he was enrolled and got registered for Ph.D. degree in 2009 and 2010 respectively, at Deptt. of Biochemistry, M.D. University, Rohtak, India, under the supervision and co-supervision of Prof. C.S. Pundir and Dr. Ashok Kumar (Scientist F, Institute of Genomics & Integrative Biology, New Delhi). So far, he has published 12 research papers (average impact: 2.24) in International Journals. He has attended 11 National conferences/seminars/workshops and presented her research work. His H-index is 2.0. His research interest is in the field of biosensor technology, nano-science & nanotechnology, enzyme technology, analytical/clinical biochemistry, plant biochemistry, biosensor technology and bio-nanotechnology.

List of Research Publications of Sandeep Yadav during Ph.D. (2010-2012)

1. Dahiya T, **Yadav S**, Chauhan N, Handa P, Pundir CS (2010) Strawberry Fruit Oxalate Oxidase-Detection, Purification, Characterization and Physiological Role. *J. Plant Biochem. Biotechnol.* **19**: 247-250 (**Impact Factor-0.523**).
2. **Yadav S**, Kumar A, Pundir CS (2011) Amperometric determination of creatinine with covalently co-immobilized enzymes onto carboxylated multiwalled carbon nanotubes/polyaniline composite film on Pt electrode. *Anal. Biochem.* **419**: 277-283 (**Impact Factor-2.996**).
3. **Yadav S**, Devi R, Kumar A, Pundir CS (2011) Tri-enzyme functionalized ZnO-NPs/CHIT/c-MWCNT/PANI composite film for amperometric determination of creatinine. *Biosens. Bioelectrons.* **28**: 64-70 (**Impact Factor-5.602**).
4. **Yadav S**, Devi R, Kumari S, Yadav S, Pundir CS (2011) An amperometric oxalate biosensor based on sorghum oxalate oxidase bound carboxylated multiwalled carbon nanotubes–polyaniline composite film. *J. Biotechnol.* **151**: 212-217 (**Impact Factor-3.045**).
5. **Yadav S**, Devi R, Pundir CS (2011) An amperometric oxalate biosensor based on polypropylene tip bound sorghum oxalate oxidase. *Sens. Letts.* **9**: 1661-1665 (**Impact Factor-1.587**).
6. Devi R, **Yadav S**, Pundir CS (2011) Electrochemical detection of xanthine by xanthine oxidase immobilized on carboxylated multiwalled carbon nanotubes/polyaniline composite film. *Biochem. Engineering J.* **58-59**: 148-153 (**Impact Factor-2.645**).
7. Lata S, **Yadav S**, Bhardwaj R, Pundir CS (2011) Amperometric Determination of Tyramine in Sauce and Beer by Epoxy Resin Biocomposite Membrane bound Tyramine Oxidase. *Sens. Instrument. Food Quality Safety* **5**: 104-110.
8. **Yadav S**, Devi R, Bhar P, Singhla S, Pundir CS (2012) A creatinine biosensor based on iron oxide nanoparticles/chitosan-g-polyaniline composite film electrodeposited on Pt electrode. *Enz. Microb. Technol.* **50**: 247-254 (**Impact Factor-2.367**).
9. Devi R, **Yadav S**, Pundir CS (2012) Au-Colloids-polypyrrole nanocomposite film for xanthine biosensor. *Colloids and Surfaces A: Physicochem. Engg. Aspects* **394**: 38-45 (**Impact Factor-2.236**).
10. Devi R, **Yadav S**, Pundir CS (2012) Amperometric determination of xanthine in fish meat by zinc oxide nanoparticles/chitosan/multiwalled carbonnanotube/polyaniline composite film bound xanthine oxidase. *Analyst* **137**: 754-759 (**Impact Factor-4.230**).

11. Devi R, Narang J, **Yadav S**, Pundir CS (2012) Amperometric determination of xanthine in tea, coffee and fish meat with graphite rod bound xanthine oxidase. *J. Anal. Chem.* **67**: 273-277 (**Impact Factor-0.747**).
12. Batra B, Lata S, Devi R, **Yadav S**, Pundir CS (2012) Fabrication of an amperometric tyramine biosensor based on immobilization of tyramine oxidase on AgNPs/L-Cys modified Au electrode. *J. Solid State Electrochem.* Article in press (**Impact Factor-2.131**).