


## PUBLICATIONS FROM POST-DOC

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1. **Soppina V\***, Norris SR, Dizaji AS, Kortus M, Veatch S, Peckham M, and Verhey KJ\*. (2014). Dimerization of mammalian kinesin-3 motors results in superprocessive motion. *Proceedings of the National Academy of Sciences, USA*, 111(15): 5562-5567. 
  - \*Corresponding authors
  - Highlighted in the *Journal of Cell Biology (JCB) News*
2. **Soppina V** and Verhey KJ. (2014). The family-specific K-loop influences the microtubule on-rate but not the superprocessivity of kinesin-3 motors. *Molecular Biology of the Cell*, 25(14): 2161-2170.
3. Norris SR, **Soppina V**, Dizaji AS, Schimert KI, Sept D, Cai D, Sivaramakrishnan S and Verhey KJ. (2014). A method for multi-protein assembly in cells reveals independent action of kinesins in complex. *Journal of Cell Biology*, 207: 393-406.
4. Kaul N, **Soppina V**, and Verhey KJ. (2014). Effects of  $\alpha$ -tubulin K40-acetylation and detyrosination on kinesin-1 motility in a purified system. *Biophysical Journal*, 106: 2636-2643.
5. **Soppina V**, Herbstman JF, Skiniotis G, and Verhey KJ. (2012). Luminal Localization of  $\alpha$ -tubulin K40 Acetylation by Cryo-EM Analysis of Fab-Labeled Microtubules. *PLoS One* 1(10): e48204.
6. Verhey KJ, Kaul N, and **Soppina V**. (2011). Kinesin Assembly and Movement in Cells. *Annual Review of Biophysics* 40: 267-288.
7. Hammond JW, Blasius TL, **Soppina V**, Cai D, and Verhey KJ. (2010). Autoinhibition of the kinesin-2 motor KIF17 via dual intramolecular mechanisms. *Journal of Cell Biology* 189: 1013-1025.
8. **Soppina V**, Rai AK, Ramaiya AJ, Barak P, and Mallik R. (2009). Tug-of-war between Dissimilar Teams of Microtubule Motors Regulates Transport and Fission of Endosomes. *Proceedings of the National Academy of Sciences, USA*, 106 (46): 19381-19386.
9. **Soppina V**, Rai AK and Mallik R. (2009). Simple non-fluorescent polarity labeling of Microtubules for Molecular Motor assays. *Biotechniques* 46, 297.

## PUBLICATIONS FROM PH. D

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10. **Soppina V** and Naik GR. (2008). ISSR Analysis of chloroplast and mitochondrial genome can indicate the diversity in sugarcane genotypes for red - rot resistance. *Sugar Tech* 10(1): 65-70.
11. **Soppina V** and Naik GR. (2007). Purification of DNA from chloroplast and mitochondria of sugarcane. *Current Science*. 92 (11): 1613 – 1619.
12. **Soppina V**, Babu GK, Gaikwad SR and Naik GR. (2005). Production of a xylanolytic enzyme by thermoalkaliphilic *Bacillus* sp. JB-99 in solid state fermentation. *Process Biochemistry* 40: 431 - 435.

13. **Soppina V**, Babu GK and Naik GR. (2005). Partial purification and Characterization of Thermostable Alkaline  $\beta$ -Mannanase from *Bacillus* sp. JB-99 Suitable for Pulp Bleaching. *J. Microbiol Biotechnol* 15(4): 689 - 693.
14. Manjunatha BR, **Soppina V** and Naik GR. (2003). Peroxidase Isoenzyme polymorphism in popular sugarcane cultivars. *Current Science*. 85 (9): 1347 - 1349.
15. **Soppina V**, Manjunatha BR and Naik GR. (2002). *In vitro* flower induction from a juvenile explant of sugarcane, *Saccharum officinarum* var. CoC 671. *Current Science*. 83 (10): 1195-1197.
  - Research highlights in the daily newspaper **THE HINDU** educationPlus, August 23, 2004.
  - Research highlights in *NatureNewsIndia*. March 2003, pp 6. (Indian research news letter from Nature Publishing Group)
16. Johnvesly B, **Soppina V**, Patil GN, Ramalingam, and Naik GR. (2002). Cellulase-free Thermostable Alkaline Xylanase from Thermophilic and Alkalophilic *Bacillus* sp. JB-99. *J. Microbiol Biotechnol*. 12 (1): 153 – 156.

#### NON-PEER REVIEWED

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17. Naik GR, **Soppina V** and Babu GK. (2005) Molecular markers for salinity resistance in salt adapted sugarcane somaclones and other local cultivars. **The proceedings of the 15<sup>th</sup> International Plant Nutrition Colloquium, at Beijing, China**, on September 14-19.
18. Naik GR, Manjunatha BR, **Soppina V** and Babu GK. (2003) Cell and tissue culture for selection of biotic and abiotic stress resistant sugarcane lines and their molecular characterization. **Int. Sem. On Sugarcane Genomics and Genetic Transformation**. pp 30 – 32.
19. **Soppina V** and Naik G. R. (2003). Genetic Polymorphism in Biotic and Abiotic Stress Resistant Sugarcane Somaclones. National seminar on **Advances in Genetics and Plant Breeding – Impact of DNA Revolution**, University of Agricultural Science, Dharwad, October, 2003.