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Publication Details

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List of last 5 years publications:

1. R Senthil Kumar, N Ravikumar, S Kavitha, S Mahalaxmi, R Jayasree, **TS Sampath Kumar**, M Haneesh Nanochitosan modified glass ionomer cement with enhanced mechanical properties and fluoride release International Journal of Biological Macromolecules Volume 104, Part B, November 2017, Pages 1860-1865
2. Hanas T., **Sampath Kumar T.S.**, Govindaraj Peruma and Mukesh Doble; Tailoring degradation of AZ31 alloy by surface pre-treatment and electrospun PCL fibrous coating; *Mater. Sci. Eng. C* 65 (2016) 43-50.
3. Sandeep Kranthi Kiran A., Madhumathi K. and **Sampath Kumar T.S.**; Electrosprayed titania nanocups for protein delivery; *Colloid Interface Sci. Comm.* 12 (2016) 17-20.
4. Seeram Ramakrishna, Murugan Ramalingam, **TS Sampath Kumar**, Winston O Soboyejo Biomaterials: a nano approach CRC press 2016/4/19
5. Jayasree R..S and **Sampath Kumar T.**; Acrylic cement formulations modified with calcium deficient apatite nanoparticle for orthopaedic applications; *J. Comp. Mater.* 49 (2015) 2921-2933.
6. **Sampath Kumar T.S.**, Madhumathi K., Rajkamal Balu, Zaheatha S, Rajathi Malar A. and Alamelu Bai S.; Enhanced protein delivery by multi-ion containing eggshell derived apatitic-alginate composite nanocarriers; *Colloid Surface B; Biointerfaces* 123 (2014) 542-548.
7. Ratna Sunil B., Ganapathy C., **Sampath Kumar T.S.** and Uday Chakkingal; Processing and mechanical behaviour of lamellar structured degradable magnesium–hydroxyapatite implants; *J. Mech. Behav. Biomed. Mater.* 40 (2014) 178-189.
8. Madhumathi K. and **Sampath Kumar T.S.**; Regenerative potential and antibacterial activity of tetracycline loaded apatitic nanocarriers for the treatment of periodontitis; *Biomed. Mater.* 9 (2014) 035002.
9. Ratna Sunil B., **Sampath Kumar T.S.**, Uday Chakkingal, Nandakumar V. and Mukesh Doble; Nano-hydroxyapatite reinforced AZ31 magnesium alloy by friction stir processing: a solid state processing for biodegradable metal matrix composites; *J. Materials Science: Materials in Medicine* 25 (2014) 975-988.