

## PAPERS PUBLISHED IN LAST FIVE YEARS

1. Jayamani J, Reddy RR, **Madhan B**, Shanmugam G (2017). Disintegration of collagen fibrils by Glucono- $\delta$ -lactone: An implied lead for disintegration of fibrosis, *International Journal of Biological Macromolecules*.
2. Perumal RK, Perumal S, Ramar T, Gopinath A, Ramadass SK, **Madhan B**, Sivasubramanian S (2017). Collagen-fucoidan blend film with the potential to induce fibroblast proliferation for regenerative applications, *International Journal of Biological Macromolecules*.
3. Sivasubramanian S, Chandrasekar G, Akusjarvi SS, Ramar T, Sathuvan M, Kumar RBS, Hussein H, Vincent S, **Madhan B**, Gunasekaran P, Kitambi SS (2017). Phenotypic Screening Identifies Synergistically Acting Natural Product Enhancing the Performance of Biomaterial Based Wound Healing, *Frontiers in Pharmacology*, 8.
4. Masilamani D, Srinivasan V, Ramachandran RK, Gopinath A, **Madhan B**, Saravanan P (2017). Sustainable Packaging Materials from Tannery trimming solid waste: A new paradigm in wealth from waste approaches. *Journal of Cleaner Production*, 164,885-891.
5. Gopinath A, Shanmugam G, **Madhan B**, Rao JR (2017). Differential precipitation behavior of native and denatured collagen in the presence of alcoholic solvents: A gateway to instant structural analysis. *International Journal of Biological Macromolecules*, 102,1156-1165.
6. Sathuvan M, Ramar T, Mani G, Vivek R, Balasubramanian S, Nagaraj S, Gunasekaran P, **Madhan B**, Rengasamy R (2017). K-carrageenan: An effective drug carrier to deliver curcumin to cancer cells and to enhance apoptosis. *Carbohydrate Polymers*, 160,184-193.
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10. Kakkar P, **Madhan B**, Shanmugam G (2016). Transient structures of keratins from hoof and horn influence their self association and supramolecular assemblies. *International Journal of Biological Macromolecules*, 93, 172-178.
11. Sathish, M., Silambarasan, S, **Madhan B.**, & Rao, J. R. (2016). Exploration of GSK'S solvent selection guide in leather industry: a CSIR-CLRI tool for sustainable leather manufacturing. *Green Chemistry*.
12. Mohammed S A, **Madhan B**, Demissie, B. A., Velappan, B., & Selvi, A. T. (2016). *Rumex abyssinicus* (mekmeko) Ethiopian plant material for preservation of goat skins: approach for cleaner leather manufacture. *Journal of Cleaner Production*.
13. Ramadass S K, Jabaris S L, Perumal R K, HairulIslam V I, Gopinath A, **Madhan B**. (2016). Type I collagen and its daughter peptides for targeting mucosal healing in ulcerative colitis: A new treatment strategy. *European J Pharmaceutical Sciences*.
14. Masilamani D, **Madhan B.**, Shanmugam, G., Palanivel, S., & Narayan, B. (2016). Extraction of collagen from raw trimming wastes of tannery: a waste to wealth approach. *Journal of Cleaner Production*, 113, 338-344.
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