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PUBLICATION IN LAST FIVE YEARS

S. No.	Title, Authors and Journal	Year
1.	Mini Thomas, Sheeja Rajiv Dye-sensitized solar cells based on an electrospun polymer nanocomposite membrane as electrolyte New Journal of Chemistry, vol 43, no 11, pp. 4444 – 4454, DOI: 10.1039/C8NJ05505J	2019
2.	Sowndarya Ramachandran, Sheeja Rajiv Development of a two-tier fibrous membrane by sequential electrospinning for effective air filtration Clean – Soil, Air, Water vol 46, no 6, pp. 1800099 (1 to 9 pages) DOI:10.1002/clen.201800099.	2018
3.	Vidya Krishnamoorthy, Sheeja Rajiv Tailoring electrospun polymer blend carriers for nutrient delivery in seed coating for sustainable agriculture Journal of cleaner production, vol 177, pp 69 – 78	2018
4.	Vidya Krishnamoorthy, Sheeja Rajiv Potential seed coatings fabricated from electrospinning Hexaaminocyclotriphosphazene and cobalt nanoparticles incorporated polyvinylpyrrolidone for sustainable agriculture ACS Sustainable Chemistry and Engineering, vol 5, pp 146 – 152	2017
5.	Subashree Mohanraj, Sheeja Rajiv , Preparation and characterization of camptothecin-loaded alginate/poly [N-(2-hydroxy propyl) methacrylamide] hydrogel beads for anticancer treatment International Journal of polymeric materials and polymeric biomaterials, vol 66, no 15, pp 781- 790	2017
6.	Ramamoorthy Manjula, Sheeja Rajiv Development and Assessment of electrospun poly (ϵ -caprolactone) – Poly (vinyl alcohol) blend nanofibers for pest control in stored products Polymer-Plastics Technology and Engineering, vol 56, no 18, pp 1949 – 1960	2017

7. Vidya Krishnamoorthy, Gunasundari Elumalai, **Sheeja Rajiv** 2016
Environment friendly synthesis of polyvinylpyrrolidone nanofibers and their potential use as seed coats
New Journal of Chemistry, vol 40, pp 3268 – 3276

8. Sabitha. M, **Sheeja Rajiv** 2015
Synthesis and characterization of biocompatible tigecycline imbibed electrospun poly ϵ -caprolactone urethane urea fibers
RSC Advances, vol 5, pp.2249 – 2257

9. Sabitha. M, **Sheeja Rajiv** 2015
Preparation and characterization of ampicillin-incorporated electrospun polyurethane scaffolds for wound healing and infection control
Polymer Engineering Science, vol 55, no 3, pp. 541 – 548

10. Nithya Ramalingam, T. S. Natarajan, **Sheeja Rajiv** 2015
Preparation and characterization of electrospun curcumin loaded poly(2-hydroxyethyl methacrylate) nanofiber – A biomaterial for multidrug resistant organisms
J of Biomed Mater Res, Part A, vol 103 A, pp 16-24.

11. Manjula Ramamoorthy, **Sheeja Rajiv** 2015
In-vitro release of fragrant L-carvone from electrospun poly (ϵ -caprolactone) / wheat cellulose scaffold
Carbohydrate Polymers, vol 133, pp 328 – 336

12. Elakkiya Thangaraju, **Sheeja Rajiv**, T.S 2015
Natarajan, Comparison of preparation and characterization of water-bath collected porous poly L-lactide microfibers and cellulose/silk fibroin based poly l-lactide nanofibers for biomedical applications
Journal of Polymer Research, vol 22, pp 24 (1-9 pages)

13. Subashree Mohanraj, Dhanalakshmi Murugan, Aburva Rengarajan, **Sheeja Rajiv** 2014
Anticancer activity of starch/poly [N-(2-hydroxy propyl) methacrylamide]: Biomaterial film to treat skin cancer
International Journal of biological macromolecules, vol 70, pp 116 – 123

14. Sowmya Srinivasa Rao, **Sheeja Rajiv** 2014
Comparison of nanocomposite film and electrospun nanocomposite fibers based on poly(2-hydroxy ethyl methacrylate) and microcrystalline cellulose as anticancer implants
Polymer-Plastics Technology and Engineering, vol 53, pp 1690 – 1696

15. Sowmya Srinivasa Rao, Sankar Ganesh Jeyapal, **Sheeja Rajiv** 2014
Biodegradable electrospun nanocomposite fibers based on poly(2-hydroxy ethyl methacrylate) and bamboo cellulose
Composites: Part B, vol 60, pp 43 -48

16. Manjula Ramamoorthy, **Sheeja Rajiv** 2014
L-Carvone loaded nanofibrous membrane as a fragrance delivery system: fabrication, characterization and in vitro study
Flavour and Fragrance Journal, vol 29, pp 334 – 339
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17. Thangaraju Elakkiya, Govindaswamy Malarvizhi, **Sheeja Rajiv**, Thirupathur Srinivasan 2014
Natarajan

Curcumin loaded electrospun *Bombyx mori* silk nanofibers for drug delivery

Polymer International, vol 6, no 1, pp. 100 -105.