

Curriculum vitae

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EDUCATION

- 2007-2010 - Doctor of Philosophy (Ph.D) in Polymer Science, Srikrishna Devaraya University, INDIA
- 2004-2006 - Master of Science in Polymer Science & Technology, Sri Krishnadevaraya University, Anantapur, A.P., INDIA (77%)
- 2001-2004 - Bachelor of Science (B.Sc.) in Chemistry, Physics and Mathematics, Sri Venkateswara University, A.P., INDIA (77%)

RESEARCH INTERESTS

- Cellulose nanomaterials for packaging and other value added applications
- Green-nanocomposites based novel materials
- Renewable multifunctional materials from abundantly available biopolymers
- Biomaterials: Biobased economy for Agriculture and forest ligno-cellulosic waste
- Bionanocomposites for food packaging applications
- Bio-based elastomers and adhesives

RESEARCH PUBLICATIONS

1. **Jeevan Prasad Reddy** and Jong-Whan Rhim. (2018) “Extraction and Characterization of Cellulose Microfibers from Agricultural Wastes of Onion and Garlic”.. **Journal of Natural Fibers**, **15:4**, 465-473(**IF: 0.73**)
2. **Jeevan Prasad Reddy**, J. Jayaramudu, K Obi reddy, A. Varada Rajulu, B. Palakshi Reddy. (2016). Characterization naturally woven Hildegardia fabric reinforced soy protein isolate biodegradable composites: **Bulletin of Trends in Chemical Sciences**. **1: 1-8**.
3. Shiv Shankar, **Jeevan Prasad Reddy**, Jong-Whan Rhim. (2015) Effect of lignin on water vapor barrier, mechanical, and structural properties of agar/lignin composite films. **International Journal of Biological Macromolecules**: **81:267-273**. (IF: 3.138)
4. Shiv Shankar, **Jeevan Prasad Reddy**, Jong-Whan Rhim, Hee-Yun Kim. (2015) Preparation, characterization, and antimicrobial activity of chitin nanofibrils reinforced carrageenan nanocomposite films. **Carbohydrate Polymers**: **117:468-475** (IF: 4.219)
5. **Jeevan Prasad Reddy**, Jong-Whan Rhim and Xiongong Luo. (2015) Isolation of cellulose nanocrystals from onion skin and their utilization for the preparation of agar-based bio-nanocomposites films. **Cellulose**: **22:407-420**. (IF: 3.57).

6. Long-Feng Wang, **Jeevan Prasad Reddy** and Jong-Whan Rhim. (2014) Screening of Agricultural and Food Processing Waste Materials as New Sources for Biodegradable Food Packaging Application. **Korean Journal of Packaging Science & Technology: 20:7-15**
7. **Jeevan Prasad Reddy** and Jong-Whan Rhim. (2014) . Isolation and characterization of cellulose nanocrystals from garlic skin. **Materials Letters:129:20-23 (IF: 2.437)**.
8. **Jeevan Prasad Reddy** and Jong-Whan Rhim. (2014) Characterization of bionanocomposite films prepared with 1 agar and paper-mulberry pulp nanocellulose.. **Carbohydrate Polymers: 110:480–488 (IF:4.219)**.
9. **Jeevan Prasad Reddy**, Manjusri Misra, Amar Mohanty. (2013) Renewable resources-based PTT (poly(trimethylene terephthalate))/switch grass fibre composites: the effect of compatibilization.**Pure and applied chemistry: 85: 521-532 (IF: 3.386)**.
10. **Jeevan Prasad Reddy**, Sandeep Ahankari, Manjusri Misra, Amar Mohanty. (2013). A new class of injection moulded structural biocomposites from PHBV bioplastic and carbon fibre. **Macromolecular Materials and Engineering: 298:789–795 (IF: 2.781)**.
11. **Jeevan Prasad Reddy**, Manjusri Misra, Amar Mohanty. (2013) Injection Moulded Biocomposites from Oat Hull and Polypropylene/Poly lactide Blend: Fabrication and Performance Evaluation. **Advances in Mechanical Engineering. Volume 2013, Article ID 761840, 8 pages (IF: 1.062)**
12. Dani Jagadeesh, **Jeevan Prasad Reddy**, and A.Varada Rajulu. (2011). Greencomposites from Wheat Protein Isolate and Hildegardia Populifolia Natural Fabric.” **Polymer Composites: 32:398-406 (IF: 2.04)**.
13. Dani Jagadeesh, **Jeevan Prasad Reddy**, and A.Varada Rajulu. (2011). Preparation and Properties of Biodegradable films from Wheat protein isolate. **Journal of Polymers and environment:19: 248-253 (IF: 1.969)**.
14. Xiao Yan Li, Jun Zhang and Jiasong He, **Jeevan Prasad Reddy**, A.Varada Rajulu.(2010). Tensile Properties of Hildegardia Fibers Reinforced Polypropylene Biocomposites. **Journal composite Materials: 44: 1681-87 (1.242)**
15. C Ramana, J Jayaramudu, **Jeevan Prasad Reddy**, KM Rao, A Varadarajulu. (2010). Admittance, Conductance, Reactance and Susceptance of New Natural Fabric Grewia Tilifolia. **Sensors & Transducers: 1726-5479 119(8)**
16. Obi Reddy, C. Uma Maheswari, **D. Jeevan Prasad Reddy** and B.R. Guduri, A.Varada Rajulu (2010). Properties of Ligno-Cellulose Ficus Religiosa Leaf Fiber. **International Journal of Polymers And Technologies : 2:29-35**.
17. **Jeevan Prasad Reddy** and A.Varada Rajulu,V. Arumugam, M.D. Naresh and M. Muthukrishnan . (2009). Effects of Resorcinol on the mechanical properties of Soy protein isolate films. **Journal of Plastic Film and Sheeting: 25: 221-233 (IF: 0.850)**.
18. Jarugula Jayaramudu, **Jeevan Prasad Reddy**, Babu Rao Guduri and A. V. Rajulu.(2009). Tensile Properties Of Polycarbonate Coated Natural Fabric Sterculia Urens: Effect Of Coupling Agent. **Iranian Polymer Journal: 18: 1-9 (IF: 1.684)**.
19. K. Obi Reddy, C. Uma Maheswari, **Jeevan Prasad Reddy**, A. Varada Rajulu. (2009). Thermal properties Of Napier Grass Fibers. **Materials Letters: 63, 2390–392 (IF: 2.437)**.
20. J. Jayaramudu, **Jeevan Prasad Reddy**, B. R.Guduri, and A.Varada Rajulu. (2009). Properties of Natural Fabric Polyalthia Cerasoides. **Fibers and Polymers: 10:338-342 (IF: 1.022)**.
22. J. Jayaramudu, K. Obi Reddy, C. Uma Maheswari, **Jeevan Prasad Reddy** and A. Varada Rajulu. (2009). Tensile Properties and Thermal Degradation Parameters of Polyalthia Cerasoides Natural Fabric Reinforcement. **Journal of Reinforced Plastics and Composites: 28:2177 (IF: 0.9)**.