

DR H SOMASHEKARAPPA

LIST OF PUBLICATIONS 2010 onwards

Stress-strain Curves and Corresponding Structural Parameters in Mulberry and Non-mulberry Silk Fibers.

Thimma Reddy , Subartha Roy, Prakash, Y. **Somashekarappa, H.** Ramesh, K. Divakara, S. and Somashekar, R. FIBERS AND POLYMERS, 12 (4). pp. 499-505. **2011**

Polymeric degradation of water soluble chitosan/HPMC films using WAXS data
Parameswara, P. and Demappa, T. and Mahadevaiah, and Prakash, Y. and **Somashekarappa, H.** and Byrappa, K. and Somashekar, R. MATERIALS RESEARCH INNOVATIONS, 16 (2). pp. 126-129. **2012**

Effect of electric field on mulberry (bivoltine) and tassar fibres
GN Siddaraju, H T Ananda, **H Somashekarappa,** R Somashekar Indian Journal of Fibre & Textile Research 37 (4), 347-352 , **2012**

Microstructural Parameters of HPMC/PVP Polymer Blends Using Wide Angle X-Ray Technique

Y Prakash, D Mahadevaiah, **H Somashekarappa,** T Demappa, ..Journal of Research Updates in Polymer Science 1 (1), 24-31 **2012**

Quantification of Broadening of X-ray Bragg Reflection Using Mutual Correlation Function

GN Siddaraju, **H Somashekarappa,** and R Somashekar Indian Journal of Scholarly Research , Vol I Issue II pp 14-16, **2012**

Preparation and Characterization of HPMC/PVP Blend Films Plasticized with Sorbitol

H Somashekarappa, Y Prakash, K Hemalatha, T Demappa, ...Indian Journal of Materials Science **2013**

Effect of microwave radiation on hydroxy propyl methyl cellulose polymer films and HPMC/poly (vinylpyrrolidone) polymer blend films using the wide-angle X-ray technique,

H Somashekarappa, Y Prakash, Mahadevaiah, T Demappa, ..Radiation Effects and Defects in Solids 168 (11-12), 912-923 **2013**

Poly (Vinyl Alcohol)/Zinc-oxide-Cerium-oxide Nanocomposites: Electrical, Optical, Structural and Morphological Characteristics

H N Chandrakala, ., **H Shivakumaraiah**, ., H Somashekarappa , Somashekar, R., S Chinmayee & Siddaramaiah , *Indian Journal of Advances in Chemical Science*, 2, 103-106. **2014**

Preparation and Characterization of MMT Doped PVA/SA Polymer Composites
K Hemalatha, **H Somashekarappa**, R Somashekar , *Advances in Materials Physics and Chemistry* 4 (09), 172 **2014**

[Microstructures and Electrical Properties of HPMC/PVP Polymer Blend Films Complex with Ferric Chloride \(FeCl₃\)](#) H. T. Ananda, Thejas G. Urs², Y. Prakash³, K. Hemalatha⁴, **H. Somashekarappa** and R. Somashekar² · *Materials Science Research India*, Vol 11 No 2 **2014**

PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS

Microstructural Parameters in Fibroin and Fiber Forms of Wild-Silks Using Whole Powder Pattern Model

G. N. Siddaraju, **H. Somashekarappa**, Subrata Roy and R. Somashekar
AIP Conf. Proc. 1349 , 157; <http://dx.doi.org/10.1063/1.3605784> **2011**

Characterization of HPMC/PVP polymer blend films using WAXS technique

Y. Prakash, **H. Somashekarappa**, P. Parameswara, T. Demappa and R. Somashekar
AIP Conf. Proc. 1447 , 565; <http://dx.doi.org/10.1063/1.4710129> **2012**

Structure-property relation in HPMC polymer films plasticized with Sorbitol

Y. Prakash, **H. Somashekarappa**, Mahadevaiah and R. Somashekar
AIP Conf. Proc. 1536 , 493 (; <http://dx.doi.org/10.1063/1.4810316> **2013**

Microstructural and electrical properties of CoCl₂ doped HPMC/PVP polymer blend films

H. Somashekarappa, Y. Prakash, Mahadevaiah, K. Hemalatha and R. Somashekar
AIP Conf. Proc. 1512 , 532 (; <http://dx.doi.org/10.1063/1.4791146> **2014**

Characterization of montmorillonite doped PVA/SA blends using X-ray diffraction

K. Hemalatha, Mahadevaiah, **H. Somashekarappa** and R. Somashekar
AIP Conf. Proc. 1591 , 819) ; <http://dx.doi.org/10.1063/1.4872767> **2014**

Study on Micro structural and Electrical Properties of FeCl₃ Doped HPMC/PVP Polymer Blend Films.

H Somashekarappa , Y Prakash, Gopal Krishne R rs, and
R Somashekar AIP Conf. Proc. (2014) **Accepted**

Spectroscopic Analysis of PVA/CMC: NiCuZnFe₂O₄ Polymer Nanocomposites
K Hemalatha , Mahadevaiah D, Thejas G Urs, Somashekarappa H, Somashekar R
AIP Conf. Proc. (2014) **Accepted**

--	--	--	--

SL No	Name and Registration No	Title	Status
1	G N Siddaraju	Studies on Broadening of X-ray Reflection in Polymer Samples Using Mutual Correlation Function	Awarded Sep 2013
2	Y Prakash	Characterization of HPMC Polymer and HPMC Polymer Blend Films Using X-ray Scattering Technique	Awarded Sep 2014
3	K Hemalatha DOR 9.9/PhD/261/KHL/ 2012	Preparation and Characterization of Polymer Blends Doped with inorganic salts/Nanocomposites	Registered