

Department of Polymer Science and Technology

R & D Projects

Sl. No.	Title	Investigators	Funding agency	Amount (INR)	Year
1	Development of process for producing cellulose acetate moulding grade material from low grade pulps	Dr. G. M. Shashidhara	AICTE, New Delhi	6 lakhs	1995-1998
2	Development of dart impact tester	Dr. G. M. Shashidhara Ms.S.H. Kameshwari Devi	KSCST, Bangalore	6500	1998
3	Sorption studies on elastomeric membrane	Dr. Siddaramaiah & Mrs. S. Roopa	AICTE, R&D, New Delhi	6 lakh	1999
4	Studies on used general tyre blended polymer for domestic applications	Dr. Siddaramaiah & Ms. S.H. Kameshwari Devi	KSCST, Bangalore	6500	2002
5	Development of eco-friendly plastic composites	Dr. Siddaramaiah & Mr. N.D.Jawali	KSCST, Bangalore	7000	2002
6	Formulation and <i>in vitro</i> evaluation of chitosan films and chitosan/PVA blends for drug delivery	Dr. Siddaramaiah & Mr. T.M. Pramod Kumar	KSCST, Bangalore	5000	2002
7	Establishment of CAD lab for polymer applications	Dr. G. M. Shashidhara	AICTE, New Delhi	12 lakhs	2002-04
8	Polymer blends for developing transdermal drug delivery	Dr. Siddaramaiah & Mr. T.M. Pramod Kumar	KSCST, Bangalore	4000	2003
9	Formulation and evaluation of bio-errodible films and smart gel for ophthalmic infectious and diseases	Dr. Siddaramaiah & Mr.T.M. Pramod Kumar	KSCST, Bangalore	5000	2003
10	Chain extended polyurethanes for cardiovascular applications	Dr. Siddaramaiah & Dr. B.K.K.Swamy	UGC, New Delhi	6.77 lakh	2003-06
11	Studies on fabrication of polymer composites using industrial waste as filler	Dr. Siddaramaiah	KSCST, Bangalore	4500	2005-06
12	Studies on biopolymers based drug delivery systems	Dr. Siddaramaiah & Dr.T.M. Pramod Kumar	AICTE, Delhi	10 lakh	2007
13	Development of polyelectrolyte membrane for fuel cell application	Dr. G. M. Shashidhara	AICTE, New Delhi	4 lakhs	2007-2009
14	Investigation on microporous polymer membrane based systems for drug	Dr. Siddaramaiah & Dr.T.M. Pramod	CSIR, Delhi	7.17 lakh	2008-11

	delivery	Kumar			
15	Development of rapid prototyping polymers for selective inhibition sintering of aero components	Dr. G. M. Shashidhara	DRDO, New Delhi	14.34 lakhs	2009- 2013
16	Investigation on thermoset plastic grind waste and naturally occurring/ mineral fillers incorporated hybrid rubber composites	Dr. Siddaramaiah & Mrs. S. Roopa	R&D project, VTU, Belgaum	7.5 lakh	2010- 13
17	Jatropha oil cake reinforced rubber green composites	Dr. Siddaramaiah	KSCST, Bangalore	4,500	2010
18	Development and evaluation of degradable LDPE based packaging materials for food contact application having multifunctional properties	Dr. Siddaramaiah	KSCST, Bangalore	5,000	2010
19	Development of polymer nanocomposites for high voltage and high temperature insulator applications	Dr. N.M. Renukappa & Dr. Siddaramaiah	CPRI, Bangalore	45 lakh	2011- 15
20	Tribological, mechanical and morphological behaviours of polyethylene green composites	Dr. Siddaramaiah	KSCST, Bangalore	5500	2011
21	Investigation on opto-electrical behaviours of conducting polymer coated lithium zirconium oxide nano structured filler loaded polyvinyl alcohol nano composites for solar cell applications	Dr. Siddaramaiah	KSCST, Bangalore	6000	2013
22	Establishing the facility for testing and characterization of polymeric materials	Dr. G. M. Shashidhara	VGST, Bangalore	40 Lakh	2012- 2014