

CURRICULUM VITAE

L. Uma Devi

Former Head, Department of Chemistry
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Research Interests

Thermoset /natural fiber composites
Fully degradable biocomposites

Computer background

Operating systems: DOS, Windows XP
Tools and packages: MS office, Microcal Origin,

Sex : Female

Nationality : Indian

Qualifications : M.Sc. (Chemistry), M.Phil
(Chemistry)

MSW

Pursuing Ph.D. (Topic: Pineapple
Leaf/Glass hybrid fibre reinforced
polyester composites)

Teaching Experience : 31 years in the under graduate and
12 years in the post graduate level in
Chemistry

Research Experience : 10 years in the field of natural fibre composites

Projects handled (1) : Development of pineapple leaf fibre reinforced polyester composites by Resin Transfer molding Technique

Funding agency: UGC

Duration – 2 years

Papers published/communicated in International Referred Journals

1. **L. Uma Devi**, S.S. Bhagawan and Sabu Thomas. *Mechanical properties of pineapple leaf fibre-reinforced polyester composites*. Journal of Applied Polymer Science 64, 1739-1748, 1997.
2. **L. Uma Devi**, Kuruvilla Joseph, K. C. Manikandan Nair and Sabu Thomas. *Ageing studies of Pineapple Leaf Reinforced polyester composites*, Journal of Applied Polymer Science 94, 503-510, 2004.
3. M. Idicula, A. Boudenne, **L. Uma Devi**, L. Ibos, Y. Candau and S. Thomas. *Thermophysical properties of natural fibre reinforced polyester composites*, Composites Science and Technology 66, 2719–2725, 2006.
4. **L. Uma Devi**, S. S. Bhagawan and Sabu Thomas. *Dynamic mechanical analysis of pineapple leaf/glass hybrid fibre reinforced polyester composites*, Polymer Composites 31(6) 956-965, 2009.
5. **L. Uma Devi**, S. S. Bhagawan and Sabu Thomas. *Water Absorption Behaviour of PALF/GF hybrid polyester composites*, Polymer Composites (in Press).

6. **L. Uma Devi, S. S. Bhagawan and Sabu Thomas.** *Mechanical characteristics of pineapple leaf /glass hybrid fibre reinforced unsaturated polyester composites*, Advances in Polymer Technology (communicated).
7. **L. Uma Devi, S. S. Bhagawan and Sabu Thomas.** *Polyester composites of short pineapple fibre and glass fibre - tensile and properties*. Journal of Applied Polymer Science (communicated)
8. **L. Uma Devi, S. S Bhagawan and Sabu Thomas.** *Dynamic mechanical properties of PALF/polyester composites*. Journal of Applied Polymer Science (communicated).
9. **L. Uma Devi, S.S. Bhagawan and Sabu Thomas.** *Mechanical properties of chemically modified PALF/polyester composites*. Composites Science and Technology (communicated).
10. **L. Uma Devi, S.S.Bhagawan and Sabu Thomas.** *Ageing studies of PALF/GF hybrid polyester composites*. Composite Science and Technology (communicated).
11. **L. Uma Devi, S.S.Bhagawan and Sabu Thomas.** *Polarity characteristics of chemically modified pineapple Leaf fibres by solvatochromic technique*, Biomacromolecules (communicated).

Papers presented in National/International conferences

1. **L. Uma Devi, S.S.Bhagawan and Sabu Thomas.** *Dynamic mechanical behaviour of unsaturated polyester hybrid composites*. International Conference on Science and Technology for Sustainable Development, St. Berchman's College, Changanacherry, 10-13 August, 2005.

2. **L. Uma Devi**, S.S.Bhagawan and Sabu Thomas. *Mechanical characteristics of pineapple leaf/glass fibre reinforced unsaturated polyester hybrid composites*. ISAMPE. National Conference on Composites, INCCOM-1V, Amrita Vishwa Vidyapeetham, Coimbatore, 9-10 December 2005.
3. **L. Uma Devi**, S. S. Bhagawan and Sabu Thomas. *Dynamic mechanical properties of pineapple leaf fibre (PALF) and PALF/GLASS hybrid fibre polyester composites*. International Conference and Exhibition on Reinforced Plastics ICERP, FRP Institute, Chennai, 23-25 February 2006.
4. **L. Uma Devi**, S. S. Bhagawan and Sabu Thomas. *Mechanical performance of chemically treated PALF/polyester composites*. National Conference on Major Trends in General and Applied Chemistry, MATGAC. ST Thomas College, Kozhencherry, 25-27 March 2008.