

LIST OF PUBLICATIONS

1. **Lakshmi V.**, Annu Raju, Resmi V.G., Jerin K. Pancrecios, Rajan, T.P.D., Pavithran C., Amino-functionalized breath-figure cavities in polystyrene–alumina hybrid films: effect of particle concentration and dispersion. *Phys. Chem. Chem. Phys.* 2016, 18, 7367 (IF= 4.5).
2. **Lakshmi V.**, Resmi V G, Annu Raju, Deepa J P, Rajan T P D, Pavithran C, Pai B C, Concentration dependent pore morphological tuning of kaolin clay foams using sodium dodecyl sulfate as foaming agent., *Ceramics International*, 2015, 41(10),14263-14269 (IF=2.6).
3. **Lakshmi V.**, Raju A, Rajan T P D, Pavithran C, Pai B C, Micropatterning of polystyrene-alumina nanocomposite film by non-solvent induced phase separation, *Materials Science Forum*, 2015, 830-831,569-572.
4. Annu Raju, **V. Lakshmi**, R.K. Vishnu Prataap, V.G. Resmi, T.P.D. Rajan, C. Pavithran, V.S. Prasad, S. Mohan., Adduct modified nano-clay mineral dispersed polystyrene nanocomposites as advanced corrosion resistance coatings for aluminum alloys, *Applied Clay Science*.2016, 126, 81 –88.
5. Resmi (V G), Manu (K M S), **Lakshmi (V)**, Brahmakumar (M), Rajan (T P D), Pavithran (C), Pai (B C), Processing of silica bonded porous SiC preform for metallic composites, *Journal of Porous Materials*, 2015, 22(6),1445-1454.
6. Viswanadhan Girija Resmi, Jayaprakash Prasanna Deepa, **Vijaya Lakshmi**, Thazhivilai Ponnu, Devaraj Rajan, Chorappan Pavithran, and Bellembettu Chandrasekhara Pai, Processing of porous SiC by aluminum-derived binders and sacrificial porogen leaching method. *Int. J. Appl. Ceram. Technol.*, 2015,12 [5] 967–975.

**PAPERS/POSTERS PRESENTED IN CONFERENCE
PROCEEDINGS**

1. "Effect of Surfactant Concentration on Tuning Porosity in Macroporous Ceramics", **Lakshmi V.**, A **Poster** presented at *International Symposium for Research Scholars on Metallurgy, Materials Science and Engineering (ISRS-2012)*, IIT Madras, Chennai, India, **2012**.
2. "Micropatterned Polystyrene-alumina composite induced by Phase separation Technique", **Lakshmi V.**, A **Poster** presented at *National Conference on Recent Trends in Materials Science and Technology (NCMST-2013)*, IIST, Trivandrum, India, **2013** (Received **BEST POSTER** Award).
3. "Micropatterned Polystyrene Membranes Induced by Silane Modified nano alumina Particles", **Lakshmi V.**, A Poster presented at *NANO India-2012*, CSIR-NIIST, Trivandrum, India, **2012**
4. "Micropatterned Polystyrene-Alumina Nanocomposite Films, **Lakshmi V.**, An **oral Presentation** at IUMRS-ICA 2013, IISc, Bangalore, **2013**.