

## LIST OF PUBLICATIONS

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1. “Ion Transport Mechanism in Glasses: Non-Arrhenius Conductivity and Non-Universal Features”  
S. Murugavel, **C. Vaid**, V.S. Bhadram, C. Narayana,  
**Journal Physical Chemistry B, 114, 13381-13385 (2010).**
2. “Synthesis and in vitro bioactivity of surfactant template mesoporous sodium silicate glasses”  
**C. Vaid**, S. Murugavel, R. Kashyap, R.P. Tandon,  
**Microporous and Mesoporous Materials, 159, 17-23 (2012).**
3. “Sodium containing mesoporous bioactive glasses: Synthesis, characterization and in- vitro bioactivity”  
**C. Vaid**, S. Murugavel,  
**Mater. Sci. Engg. C. (under revision).**
4. “Mesoporous bioactive glass and glass-ceramics: Influence of the local structure on the behavior of in vitro bioactivity”  
**C. Vaid**, S. Murugavel, C. Das,  
**Submitted to Chem. Mater.**
5. “New evidence for the alkali ion transport in silicate glasses: An influence of local atomic Structure”  
**C. Vaid**, S. Murugavel,  
**Submitted to Phys. Rev. B.**