

## **CURRICULUM VITAE**

### **SHERA MATHEW**

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4B Unity Towers

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Present Address : Scientific Assistant  
Technical Consultancy Division  
Rubber Research Institute of India  
Kottayam, Kerala  
India –686009  
Phone. No. 0481-2303653

Father's name : Prof. C.M. Mathew

Husband's name : Er. Jotty P Thomas

Children : Two

Religion and caste : Christian, Orthodox

Nationality : Indian

### **Academic Qualifications**

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- 1996-1998 **Degree of Master of Technology in *Polymer Technology***  
Cochin University of Science and Technology
- 1986-1988 **Degree of Master of Science in *Chemistry***  
U.C. College, Alwaye
- 1983-1986 **Degree of Bachelor of Science in *Chemistry***  
C.M.S College, Kottayam

## Professional experience:

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- 21 years of experience in Rubber Board in the field of developing and testing of rubber products, processing of NR.
- Expertize in the quality control of NR latex and dry rubber, latex products, rubber effluents, rubber chemicals etc as per National and International standard specifications.
- Working knowledge about different machinery and equipments used in rubber products manufacture like Universal testing machine, Viscometer, Rheometer, FTIR, TGA, UV Vis Spectrophotometer, Automatic dipping machine etc.
- Expertize in reverse engineering of rubber products
- Proficient in Microsoft Word, Excel, Graphics, Power Point and Internet research.

## Publications

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- Natural Rubber Latex-based Nanocomposites with Layered Silicates.  
**Shera Mathew** and Siby Varghese, *Journal of Rubber Research*, 8 (1) 1-15 (2005)
- Dipping characteristics of layered silicates-natural rubber latex nanocomposites  
**Shera Mathew**, Siby Varghese, G. Rajammal, P. C. Thomas  
*Journal of Applied Polymer Science*, 104 (1) Pages 58 - 65 (2007)
- Rheological Behavior of Layered Silicate Natural Rubber Latex Nanocomposites  
**Shera Mathew**, Siby Varghese, George K.E, Tresa Cherian  
*Progress in rubber, plastics and recycling technology*, **27** (3), 177-192, (2011)

- Stability and vulcanization characteristics of enzyme deproteinated natural rubber latex  
Rajammal G, Mariamma K George, **Shera Mathew**, Peethambaran N.R and Mathew N.M, *Natural Rubber research*, 17(2): 95-102.(2004 )
- Natural Rubber Latex Nano Composites – Process Control of Dipped Goods  
**Shera Mathew**, Siby Varghese and P Viswanatha Pillai, Asia RubberTech Expo 2006, Cochin, Kerala
- Rheology and Shapability of Natural Rubber Latex layered Silicate Nanocomposites  
Siby Varghese and **Shera Mathew**, International Conference on Latex and Synthetic Polymer Dispersions 2008, Madrid, Spain, 23-24 January 2008.