

Profile of Dr E. R.

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Dr E. Ramanathan is a Nano Coating consultant and Corporate Trainer with more than 37 years of managerial, research and production experience. He provides corporate training to industries, project support to young entrepreneurs and academic training support to school and college students. He was born on 6th May 1963 in Trichy, Tamilnadu, INDIA.

He was graduated in Chemistry from University of Madras in 1983, did his MSc degree in Bharathidasan University, B.Ed. and MPhil from Annamalai University and did PhD in Nano coatings in University of Madras with 3 Indian patents and 3 research papers in international scientific publications viz., Elsevier's Surface coating and technology, Progress in Organic Coatings and Bulletin of Electrochemistry. He is also an author of various books viz., Dictionary of Chemistry, AIEEE Chemistry, TNPCEE Chemistry Problems and Solutions and 51 projects in Chemistry through Sura Publications.

Dr E. Ramanathan was associated with Addisons Paints & Chemicals Pvt Ltd from 1986 to 2000 as Deputy Chief Chemist. Since 2000, he has been serving as a freelance consultant for various Indian and international companies, including Welbro Paints, Sun chrome Paints, Limenaph Chemicals, Chennai Paints, Hitech Paints, Galaxy High-tech Paints, Five Star Coatings, Indian Oil Corporation – Drum Division, Chennai Petrochemicals Ltd - Manali, Vitraquim Lubrication Oil Ltd in Mexico, Vitrocoat America Inc, Frilco Industries in Mexico, Wittur Elevators Ltd and HCL Corporations Ltd. Throughout his career, Dr E. Ramanathan has provided guidance and expertise in powder coating plants, zinc phosphating units, and automobile paint shops. He has played a crucial role as a consultant in the installation, commissioning, troubleshooting, and maintenance of various facilities in India.

List of Publications

- E. Ramanathan, S. Balasubramanian, Nano-Zirconia Coating on Mild Steel with the Top Coats of Polyester Epoxy Powder and Amine Cured Epoxy Liquid Paints, Prog. Org. Coat. 2016, 93, 68-76. <http://dx.doi.org/10.1016/j.porgcoat.2016.01.007>
- E. Ramanathan, S. Balasubramanian, Synthesis and characterization of Hexafluorozirconic acid powder and its application in nanoceramic coating, Surface and Coatings Technology, 2016, 304, 228-236, ISSN 0257-8972, <http://dx.doi.org/10.1016/j.surfcoat.2016.07.009>.
- A process for making nano- zirconia coated mild steel for industrial applications, S. Balasubramanian, E. Ramanathan, Indian patent, Journal Publication No. 24/2013, 1058/CHE/2013, dt. 14/06/2013.
- Nanotrication transparent conversion coating for copper, S. Balasubramanian, E. Ramanathan, Indian patent, Journal Publication No. 02 /2014, 5944/CHE/2014, dt.19/12/2013.

- Synthesis of Hexafluorozirconic acid powder and its Nano conversion coating for ferrous and non-ferrous metal components, S. Balasubramanian, E. Ramanathan, Indian patent, Journal Publication No. 4607/CHE/20141
- E. Ramanathan, 51 Simple projects in chemistry published by Sura Books and Publishers
- E. Ramanathan, Problems in chemistry for +2 and TNPCEE-2005 – Sura Publishers
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Conferences

- Determination of coating thickness of zinc phosphate coating by electrochemical impedance spectroscopy, E. Ramanathan, I.M. Bilal, S. Balasubramanian, Seventeenth National Convention of Electrochemists (NCE-17), Chennai 14-15, Sep-2012.
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- Comparative study of electroless nanoceramic coating and zinc phosphate coating in metal pretreatment, E. Ramanathan, K. Rajasekaran, S. Balasubramanian, ASPUM, International Symposium on Science in New Millennium, University of Madras, 12-13th, June 2006.

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