

Full Name : Dr. N. N. Chavan

Present Position : Scientist – EI
Polymer Science and Engineering Division
National Chemical Laboratory

Address : Dr. Homi Bhabha Road
Pune - 411 008, India
Ph. & Fax No. : 91-20-25903008; Mob. : 9881416816
E-mail : nn.chavan@ncl.res.in



Education : 1) Post-doctorate (1994-96, University of Genova, Italy) : European Community Fellowship, Project Leader : Prof. Alberto Cifferi and Dr. Jack Preston, Project Title : Liquid Crystalline Copolymers having Rigid and Flexible Blocks
2) Ph. D. : 1994, Shivaji University, Kolhapur, Research Guide : Dr. S. Ponrathnam, Research Topic : Synthesis and Characterization of Thermotropic Liquid crystalline Polyesters
3) M. Sc. (Organic chemistry) : 1981, 1st Class, Shivaji University, Kolhapur
4) B. Sc. (Chemistry) : 1979, 1st class with distinction, Shivaji University, Kolhapur, : Chemistry

Date of Birth : June 2, 1956

Citizenship : India

Field of Research : Super absorbing polymers, Enzyme immobilization, Chiral resolution, Metal chelation by polymer supported catalysts, Polymers for intraocular lens, Silica nanoparticles, Solid lubricants, Liquid crystalline polymers, Cholesteric liquid crystalline polymers, Polyimides, Phenolic resins

Achievements : 1) “Best Laboratory Award in Indigenous Development of Critical Components for BrahMos Aerospace” for the year 2012 For the Production of Resins from the Board of Directors of BrahMos Aerospace, DRDO, New Delhi.
Dr. S. Ponrathnam, Dr. C. R. Rajan, Dr. N. N. Chavan, Dr. M. S. Qureshi, Mr. S. S. Bhongale, Dr. (Ms.) S. A. Mule, Dr. (Ms.) S. B. Deokar and Dr. P. R. Rajmohan

Patents : 1) Amino Functionalized Oligo Polyimides with Enhanced Storage Stability (**WO 2012/090055 A1**), 2) Ethyl Oligo-silicates with Strong Acid Heterogeneous Polymeric Catalysts (**WO 2012 / 056290 A1**)

Transfer of Technology (ToT)/ Technical Documents : 1) Transfer of technology (ToT) document of polyimide binder resins to DRDL, Hyderabad (September 2009). 2) Transfer of technology (ToT) document of phenol-aniline-formaldehyde resins to DRDL, Hyderabad (February 2011). 3) Transfer of technology (ToT) document of ethyl silicate-32 to DRDL, Hyderabad (April 2011). 4) Transfer of technical document of 3-aminopropyl triethoxy silane to DRDL, Hyderabad (November 2012). 5) Transfer of technical document of blend of DGEPPA and DGEPPG to DRDL, Hyderabad (November 2012). 6) Transfer of technical document of potassium salt of methacrylic acid to DRDL, Hyderabad (November 2012). 7) Transfer of technical document of N,N-Dimethyl benzene to DRDL, Hyderabad (November 2012). 8) Transfer of Technical document of triethanolamine titanate (TEAT) to DRDL, Hyderabad (November 2012).

From NCL authors for all above TOT are : S. Ponrathnam, C. R. Rajan, N. N. Chavan, M. S. Qureshi, S. S. Bhongale, S. A. Mule, S. B. Deokar and P. R. Rajmohan

Publications : 20 (International standard journals)

Patents : 10 (WO- 2; US-2 and Indian -6)

Conferences : 10

Reports : 3

PDL : 8