

List of Publications & Patents as on 20th october 2016

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Books

1. K.S. Santhosh Kumar and **C.P. Reghunadhan Nair**, “*Polybenzoxazines, Chemistry and Applications*” Book, Publisher: **iSmithers, UK(2010)**
2. Bibin John and **C.P. Reghunadhan Nair**, “Updates on Syntactic Foams” Book, Publisher: iSmithers, UK (2010)
3. **C.P. Reghunadhan Nair**, **RASATHANTHRAM, KANAVASANGAL**,,(*the unseen facets of chemistry*), Chemistry Book in Malayalam for Students, publisher: DC Books, Kottayam, December

Chapters in Books and Encyclopaedia

1. **C.P.Reghunadhan Nair*** and G. Clouet, “*Free radical technique of deriving end-functional polymers and block copolymer via thermal iniferters*” Integration of Fundamental Polymer Science and Technology” 4th Edn., Eds: P.J. Lemstra and L.A.Kleinjens, Elsevier Applied Science, U.K. (1989)
2. **C.P.Reghunadhan Nair***, P. Chaumont and G. Clouet, “*Application of Thermal Iniferters in Free Radical Polymerisation, A New Trend in Macromolecular Engineering*” Chapter 11, in *Macromolecular Design, Concept and Practice*”, Ed. M.K.Mishra, Polymer Frontier International, New York, p.431,1994
3. **C.P.Reghunadhan Nair***, “*Free Radical Iniferters*” Chapter in “*Polymeric Materials Encyclopedia*”, Editor J. C. Salamone, CRC Press, Florida, vol.4, p.2578.
4. **C.P.Reghunadhan Nair***, Dona Mathew and K.N. Ninan, “*Cyanate esters*” Chapter in *Polymeric Materials Encyclopaedia*” Editor, J. C. Salamone, CRC Press, Florida, Vol. 2, 1625 (1996).
5. **C.P.Reghunadhan Nair***, R.L. Bindu and K.N. Ninan, “*Recent Developments in Phenolic Resins*” Metals, Materials and Processes, Editor G. Radhakrishnan, Meshap Publications, Mumbai, Vol. 9(2), p.179-200 (1997)
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8. K.S. Santhosh Kumar and **C.P. Reghunadhan Nair***, “*Bisphenol A based Polybenzoxazine and it's Tailored Systems*” Chapter in *Bisphenol A and Phthalates: Uses, Health Effects and Environmental Risks*, Editor: Bradley C. Vaughn, Nova Science. Publishers, Inc. Hauppauge, NY, USA (2010).
9. K.S.Santhosh Kumar and **C.P. Reghunadhan Nair***, “Polybenzoxazine–new generation phenolics”, *Handbook of Thermoset Plastics* (Third Edition), 2014, Pages 45-73 Editor: S. Goodman and H.D.Kenig, Publishers: Elsevier Inc.
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11. M.Satheesh Chandran and **C.P. Reghunadhan Nair***, “Maleimide-Based Alder-Enes”*Handbook of Thermoset Plastics (Third Edition)*, 2014, Pages 459-510 S. Goodman and H.D.Kenig, Publishers: Elsevier Inc,
12. C.P. Reghunadhan Nair, *Polymer Matrix Resins in PMC*, Chapter in *COMPOSITES FOR AEROSPACE*, Editor: KM usha, ISRO(publisher),2016 (in press)
13. D. Augustine, M.Satheeshkumar,CPR NAIR, New trends in polyphthalonitrile resins, chapter in *Thermosets*, 2nd Edition, Elsevier, 2016 (in press)

Reviews in Journals (invited contributions)

1. E.Devadoss* and **C.P.Reghunadhan Nair**, “*Engineering, Textile and Agricultural Applications of Poly (organophosphazenes)*” *Journal of Scientific and Industrial research*, **42**, 335 (1983).
2. **C.P.Reghunadhan Nair*** and G. Clouet “*Thermal Iniferters, Their Concept and Application in Free Radical Polymerisation*” *Journal of Macromolecular Science Review*,**C 31**, 579 (1991).
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4. **C.P.Reghunadhan Nair**, “*Advances in addition-cure phenolics*” *Progress in Polymer Science*, Vol.29, p.401-498, (2004)
5. K. S. Santhosh Kumar, R. Biju, **C. P.Reghunadhan Nair***, *Review of Progress in Shape Memory Epoxy Resins*, *Reactive & Functional Polymer*, p 421-430,vol 73(2), 2013
6. Bismi Basheer, Dona Mathew*, Benny K. George and **C.P. Reghunadhan Nair**’ *An overview on the spectrum of sensitizers: The heart of Dye Sensitized Solar Cells*, *Solar Energy*, **vol 108**, pp 479–507(2014)
7. MR Ramdas, K. S. Santhosh Kumar*, **C. P.Reghunadhan Nair**, Click polymerizations: Encouraging route for shape memory polymers,*Materials Letters* 172, 216-221(2016)

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