

New Regional Editor

Cheila G. Mothe



Name: Cheila Gonçalves Mothé
Date and place of birth: June 24th, 1952
Rio de Janeiro, Brazil

Education and scientific degrees

Chemical engineering in 1972, Brazil; M.Sc. in 1979 from IMA/UFRJ (Polymers Technology); Brazil, Ph.D. in 1992 from University of São Paulo; University of the Air Japan (Analytical Chemistry); Postdoctoral (Rheology of Polysaccharides) in 1998 from Cornell University, USA; and Postdoctoral (Thermal Analysis of Polymers) in 2003 from Cleveland State University, USA.

Since 1976 is professor of Federal University of Rio de Janeiro, Brazil for undergraduate and graduate students and has been a researcher.

C. G. Mothe (✉)
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Titular Professor of the School of Chemistry, Federal University of Rio de Janeiro from 2005.

CNPq researcher member and ad hoc consultant for 10 years.

Coordinator of three laboratories: Natural and Synthetic Polymers Technology, Rheology Laboratory, Thermal Analysis Laboratory at UFRJ, Brazil.

Academic and technological areas of research

Technological characterization by thermal analysis, polymer composites with natural fibers, recovery natural products, the rheological behavior of polysaccharides in the food industry, recycling, energy recovery and treatment of industrial waste, characterization and application in the oil (asphalt, biodiesel, and heavy oil).

Chairwoman of Organic Department (1995–1997 and 2003–2008), vice chairwoman (1993–1995) EQ/UFRJ.

Biography published in Who's Who in Science and Engineering, USA (2006–7).

More than 400 papers published in journals and national and international conferences.

Advisor of over 36 Master and Doctoral Thesis and 120 undergraduate students, and author of many textbooks and patents.

Awards

Chemical Award of the Year (2006) by the CRQIII-RJ, Brazil.

1st place XI Award Abrafati-Petrobras Science in Paint (2008).

Leopoldo Hartmann Award, SBCTA (2010).

Professional activities

President of the Brazilian Society of Science and Technology RJ Food Regional (2007–2010).

President of the Brazilian Association of Rheology (2010–2011).

Vice-President, Brazilian Association of Thermal Analysis and Calorimetry (2008–2011).

Honorary member of the group of the Hungarian Chemical Thermoanalytical Society, Budapest, Hungary, 2010.

Most cited papers

MOTHÉ, C. G.; RAO, M. A. Rheological behavior of aqueous dispersions of cashew gum and gum arabic: effect of concentration and blending. *Food Hydrocolloids*^{JCR}, Geneva, v. 13, p. 501–506, 1999.

MOTHÉ, C. G.; ARAÚJO, C. R. Properties of polyurethane elastomers and composites by thermal analysis. *Thermochimica Acta*^{JCR}, Hungria, v. 357–358, p. 321–325, 2000.

MOTHÉ, C. G.; DIAS, M. L.; PEDROSO, M. A. S. Hydrocarbon dispersion of nanospherical silica by a sol-gel process. 2. Alkoxysilane Copolymerization. *Colloid and Polymer Science*^{JCR}, v. 281, p. 19–26, 2003.

MOTHÉ, C. G.; CORREIA, D. Z.; Francisca P. França. Thermal and Rheological Study of Polysaccharides for enhanced oil recovery. *Journal of Thermal Analysis and Calorimetry*^{JCR}, Budapest, v. 85, p. 31–36, 2006.

Walker S. Drumond; MOTHÉ, C. G.; WANG, S. H.. Quantitative Analysis of Biodegradable Amphiphilic Poly(L-Lactide)-Block-Poly(Ethylene Glycol)-Block-Poly (L-Lactide) by Using TG, FTIR and NMR. *Journal of Thermal Analysis and Calorimetry*, v. 85, p. 173–177, 2006.