

PERSONAL INFORMATION

Dr Ioannis Rabias PhD, MSc, BSc



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Dr Ioannis Rabias is the Head of Quality Control Department of the Hellenic Pasteur Institute member of the Pasteur International Network.

- Member of the Group of Experts No. 15 for Human Vaccines and Sera of the European Pharmacopoeia

Professional experience

More than 10 years' experience as qualified person - Market surveillance of quality appointed by the Greek Medicines Agency (EOF). More than 10 years' experience as the GMP Quality and Production Manager for cosmetics, sterile and non-sterile pharmaceuticals, vaccines and medical devices. Current expertise in analytical methods, related to quality control of vaccines and sera for human use and in development of control methods. Batch release and market surveillance of quality of vaccines and sera for human use in a regulatory authority. Responsible for quality control procedures in accordance with ISO 9001 and ISO 17025 principles.

- Supervisor and staff trainer.
- Head of Research and Development of new products.
- Teaching in seminars and lectures at NCSR Demokritos for graduates and postgraduate students in the fields of: Magnetic Materials as Magnetic Resonance Imaging (MRI) contrast agents in Tomography, Nanomedicine.
- Responsible for diploma and doctoral theses.
- Author in peer-reviewed journals such as ACS Nano, Biomicrofluidics, Chemistry of Materials.
- Reviewer in publications such as the Journal of the American Chemical Society, Materials Research Bulletin, Journal of Materials Science, International Journal of Nanomedicine, Advances and Applications in Bioinformatics and Chemistry, and in scientific book publications.
- Member of the Editorial Board of Biomedical Engineering Research.
- Member of the Editorial Board of Journal of Materials Science Research.

Work Experience

<u>2018 - Present</u>	Head of Quality Control Department / Qualified Person at the Hellenic Pasteur Institute
<u>2016 - 2018</u>	Qualified Person / Quality Control Manager at GEROLYMATOS INTERNATIONAL SA
<u>2015 - 2016</u>	Production Manager at REGYLON SA
<u>2014 - 2015</u>	Quality Assurance Manager at CORONIS Research SA
<u>2011 - 2014</u>	Qualified Person and Quality Control Manager at DRAGOTIS GEORGIOS SA
<u>2005 - 2010</u>	Associate Researcher at the National Center for Scientific Research DEMOKRITOS
<u>2001 - 2005</u>	Product Specialist at PG GEROLYMATOS SA
<u>1999 - 2000</u>	Postdoctoral Researcher in the Dept. of Chemical Engineering of the Aristotle University of Thessaloniki

Education

- 1997-1999 Doctorate in Chemistry, University of Surrey, Department of Chemistry, UK
1996-1997 Master of Science in Chemistry, University of Surrey, Faculty of Sciences, UK
1992-1996 Bachelor's in chemistry, University of Surrey, Faculty of Sciences, UK

Scientific Membership

Member of the Association of Greek Chemists

Selected publications in international peer-reviewed scientific journals and books

1. Rabias I., Hamerton I., Howlin B. J., Foot P. J. S., "Theoretical studies of conducting polymers based on substituted polypyrroles" *Computational and Theoretical Polymer Science*, 8, 3-4, 265-271, 1998. DOI10.1016/S1089-3156(97)00024-X **Cited by 21 Impact factor: 1.128 Q2**
2. Rabias I., Howlin B. J., "Modelling of structural and physicomechanical properties of poly-paraphenylene using molecular orbital and molecular mechanical methods" *Synthetic Metals*, 108, 223-230, 2000. DOI10.1016/S0379-6779(99)00159-9, **Cited by 3 Impact factor: 3.266 Q2**
3. Rabias I., Howlin B. J., Provata A. and Theodorou D. N., "Modelling of structural and vibrational properties of poly(p-phenylene) and polypyrrole using molecular orbital methods" *Molecular Simulation*, 24, 95-109, 2000. DOI10.1080/08927020008024190, **Cited by 4 Impact factor: 2.178 Q3**
4. Rabias I., Howlin B. J., "A combined ab initio and semi-empirical study on the theoretical vibrational spectra and physical properties of polypyrrole" *Computational and Theoretical Polymer Science*, 11, 241-249, 2001. DOI10.1016/S1089-3156(00)00010-6, **Cited by 15 Impact factor: 1.128 Q2**
5. Rabias I., Langlois C., Provata A., Howlin B. J. and Theodorou D. N., "Linking the atomistic scale and the mesoscale: molecular orbital and solid state packing calculations on poly(p-phenylene)" *Polymer*, 43, 3, 2002. DOI10.1016/S0032-3861(01)00587-0, **Cited by 5 Impact factor: 4.43 Q1**
6. I. Rabias, H. Pratsinis, G. Drossopoulou, M. Fardis, T. Maris, N. Boukos, N. Tsotakos, D. Kletsas, E. Tsilibary and G. Papavassiliou, "In vitro studies on ultrasmall superparamagnetic iron oxide nanoparticles coated with gummy acid for T2 MRI contrast agent" *Biomicrofluidics* 2007, 1, 044104-(1-12). DOI10.1063/1.2821757, **Cited by 13, Impact factor: 2.8 Q3**
7. M. Fardis, I. Rabias, G. Diamantopoulos, N. Boukos, D. Tsitourli, G. Papavassiliou, and D. Niarchos, "Magnetic nanoparticles for biomedical applications" *Journal of optoelectronics and advanced materials* 2007, 9, 527 – 531. **Cited by 8 Impact factor: 0.587 Q4**
8. I. Rabias, M. Fardis, E. Devlin, N. Boukos, D. Tsitrouli and G. Papavassiliou, "No aging phenomena in ferrofluids: The influence of coating on interparticle interactions of maghemite nanoparticles" *ACS Nano*, 2008, 2, 977-983. DOI10.1021/nn700414w, **Cited by 23 Impact factor: 15.881 Q1**
9. Athanassios I. Kontos, Vlassis Likodimos, Thomas Stergiopoulos, Dimitrios S. Tsoukleris and Polycarpos Falaras, Ioannis Rabias and George Papavassiliou, Doohun Kim, Julia Kunze and Patrik Schmuki, "Self-Organized Anodic TiO₂ Nanotube Arrays Functionalized by Iron Oxide Nanoparticles" *Chem. Mater.*, 2009, 21 (4), pp 662–672. DOI10.1021/cm802495p, **Cited by 134 Impact factor: 9.811 Q1**
10. M Fardis, G Diamantopoulos, E Karakosta, I Rabias, G Papavassiliou, Joel S Miller, "Spin dynamics in the molecule-based ferromagnet decamethylferrocenium tetracyanoethanide [FeCp₂*][TCNE], as probed by H-1 NMR relaxation" *Polyhedron* 2009 28 (15), 3382-3386. DOI10.1016/j.poly.2009.07.006, **Cited by 1 Impact factor: 3.052 Q2**
11. G. C. Papaefthymiou, I. Rabias, M. Fardis, E. Devlin, N. Boukos, D. Tsitrouli and G. Papavassiliou, "Gummy acid stabilized γ -Fe₂O₃ aqueous suspensions for biomedical applications" *Hyperfine Interactions*, p 241-248, 2009, Springer, Berlin, Heidelberg. Doi.org/10.1007/S10751-009-9922-Y, **Cited by 3 Impact factor: 1.13 Q2**
12. Ioannis Rabias, Danai Tsitrouli, Eleni Karakosta, Thomas Kehagias, Georgios Diamantopoulos, Michael Fardis, Dimosthenis Stamopoulos, Thomas G. Maris, Polykarpos Falaras, Nikolaos Zouridakis, Nikolaos Diamantis, Georgios Panayotou, Dimitrios A. Verganelakis, Garyfalia I. Drossopoulou, Effie C. Tsilibari and Georgios Papavassiliou, "Rapid magnetic heating

treatment by highly charged maghemite nanoparticles on Wistar rats exocranial glioma tumors at microliter volume” *Biomicrofluidics* 2010, 4, 024111. DOI10.1063/1.3449089, **Cited by 37, Impact factor: 2.8 Q3**

13. M Fardis, A P Douvalis, D Tsi trouli, I Rabias, D Stamopoulos, Th Kehagias, E Karakosta, G Diamantopoulos, T Bakas and G Papavassiliou, “Structural, static and dynamic magnetic properties of dextran coated gamma-Fe₂O₃ nanoparticles studied by Fe-57 NMR, Mossbauer, TEM and magnetization measurements” *J. Phys.: Condens. Matter* 2012, 24, 156001. DOI10.1088/0953-8984/24/15/156001, **Cited by 27, Impact factor: 2.333 Q3**

14. Michael Fardis, Ioannis Rabias, Georgios Diamantopoulos, Eleni Karakosta, Danai Tsi trouli, Vassilios Tzitzios, Georgios Papavassiliou, “Nanobiomaterials Development and Applications”, Chapter 7, 2013, pp.261-283 Taylor & Francis. DOI: 10.1201/B15362-13, **Cited by 5**

15. Rabias I, Fardis M, Kehagias T, Kletsas D, Pratsinis H, Tsi trouli D, Maris TG, Papavassiliou G, J, “Novel Synthesis of Ultra-Small Dextran Coated Maghemite Nanoparticles for MRI and CT Contrast Agents via a Low Temperature Co-Precipitation Reaction” *Nanosci Nanotechnol* 2015, 15(1):205-210. DOI10.1166/jnn.2015.8996, **Cited by 3, Impact factor: 1.134 Q4**

Selected presentations at international peer-reviewed conferences

1. Tsi trouli, D.; Rabias, I.; Diamantis, N.; Diamantopoulos, G.; Drossopoulou, G.; Kotsopulou, E.; Karakosta, E.; Maris, T.; Panayotou, G.; Tsilibary, E.; Papavassiliou, G., “Monodispersed colloidal maghemite nanoparticles as conductors of magnetic hyperthermia for targeted dissolution of brain tumors” *The FEBS Journal* 2008, 275, p373-373. **Cited by 0, Impact factor: 5.542 Q1**

Web of Science Publication metrics

Citations- Total: 302

H-Index: 8

Average Citations per document: 18.9

Average Citations per year: 13.1

CITATIONS	2018	2019	2020	2021	TOTAL
	18	27	10	9	64

Impact factor (Overall / Average): 58.325 / 3.888