

## CV

### Personal

First Name: Georgy  
Family Name: Grancharov  
Date of Birth: 25th May 1973  
Place of Birth: Sofia, Bulgaria  
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### Education

2002, PhD- Doctor in Polymer Chemistry, Institute of Polymers- BAS, Sofia, BG  
1997, MSc-Engineer in Technologies of Organic Chemistry, UCTM, Sofia, BG  
1992, Specialist in Industrial Electronics, High Technical School in Electronics, Sofia, BG

### Professional Experience/Career

10/2008-09/2011, Research Fellow, PAI/IAP Fellowship, Univ. of Mons, BE, Project- "Smart Polymer Films: Synthesis and application of P(3HT-b-LA) block copolymers in OPV devices"  
10/2007-09/2008, Research Fellow, BFSP Fellowship, Univ. of Liege, BE, Project- "Multi-functional polymer coatings: Synthesis and AFM-based force spectroscopy investigation"  
2005-2007, Research Fellow, Institute of Polymers- BAS, Sofia, BG, Project- "Synthesis and characterisation of monomers, oligomers and polymers containing bisphosphonate groups"  
2003-2004, Research Fellow, Marie Curie Research Fellowship, Univ. of Durham, UK, Project- "Study of the dynamics of polymeric ionophoric channels based on 7-Oxanorbornenes by SECM"  
1999, Chemist, Institute of Polymers- BAS, Sofia, BG

### Scientific Interests

Synthesis, characterization and properties of novel monomers, oligomers, and polymers with potential application in microelectronic devices, nanosensor technology, biotechnology, pharmacy and medicine

### Command of Research Skills and Techniques

Synthesis: Ring Opening Polymerisation, Polycondensation, Grignard Metathesis Polymerization, Ring Opening Metathesis Reactions, Degradation Reactions of Polyester Type Polymers

Characterization of the products:  $^1\text{H}$ -;  $^{13}\text{C}$ -;  $^{31}\text{P}$ - NMR spectroscopy, FTIR spectrometry, GPC, DSC, TGA, UV-VIS spectroscopy, XRD, Viscometric Techniques, Physical-mechanical Measurements, Scanning Electrochemical Techniques, Scanning Kelvin Probe Microscopy, Atomic Force Microscopy (AFM)