

Alexandros D. Gotsis

Education

- 1976–1981 **Diploma (M.Eng)**, *Chemical Engineering, Nat.Tech.Uni.Athens, Athen.*
Diploma Thesis: The corrosion of bronze statues in marine environment
Adviser: Em. Skoulikides
- 1982–1984 **MSc**, *Virginia Polytechnic Institute and State University, USA.*
MS Thesis: A Study of the Rheological Behaviour of Two Thermotropic Liquid Crystalline Copolyesters
Adviser: D.G. Baird

PhD

- 1982–1986 Virginia Polytechnic Institute and State University, USA
Title *Numerical simulation of viscoelastic flow*
Adviser D.G. Baird

Languages

Greek	native
English	excellent
Dutch	excellent
German	basic
Spanish	basic

Personal

- Born: June 3, 1958; Syros, Cyclades, Greece
Nationality: Greek
Children: One

Scientific & Professional Societies

Society of Rheology, Hellenic Society of Rheology, Greek Polymer Society, Polymer Processing Society, Society of Plastics Engineers, Greek Chemical Engineering Society

Professional Experience

Chronologically

- 5/2013 - now: **Associate Professor**, *Fac. of Mineral Resources Eng., Tech.Uni.Crete, Chania.*
Teaching under- and post-graduate students and research on the areas of composites, polymer processing and rheology
- 8/2009 – 4/2013: **Associate Professor**, *Dept. of Sciences, Tech.Uni.Crete, Chania.*
Teaching under- and post-graduate students and research on the areas of composites, polymer processing and rheology
- 12/04 – 8/2008: **Assistant Professor**, *Dept. of Sciences, Tech.Uni.Crete, Chania.*

- Teaching under- and post-graduate students and research on the areas of composites, polymer processing and rheology
- 10/1992 – 12/04: **Universitair Docent**, *Dept. of Polymer Materials, Fac. of Tech.Phys.Sci.*, Technische Universiteit Delft, the Netherlands.
- Teaching under- and post-graduate students, organising and directing research programmes and advising graduating and post-graduate students and post-doctoral researchers. Member of the Education Committee of the faculty and co-ordinator of the educational laboratories on polymer science.
- 11/1990 – 9/1992: **Research engineer**, *Polymer Processing Institute*, Stevens Institute of Technology, NJ, USA.
- Directed a group of post-doctoral researchers and post-graduate students in a large research project for the study of mixing and recycling polymers. The project was co-financed by 23 industrial companies and included experimental work in prototype devices and modelling.
- 1/90 – 10/1990: **Military service**, *Greek Navy*.
- 10/1986 – 10/1989: **Research Associate**, *Chemical Engineering*, Stevens Institute of Technology, NJ, USA.
- Studied the simulation of the mixing process of concentrated polymer mixtures/suspensions in a twin screw extruder and gave lectures on polymer mixing and recycling of polymers.
- 1/1982 – 9/1986: **Research assistant**, *Polymer Processing Lab*, Fac. of Chemical Engineering, Virginia Polytechnic Institute and State University, VA, ΗΠΑ.
- Research on the subject of the MSc the PhD projects

Subjects

- Research: Composites, material processing, mixing and recycling of polymers, rheology, liquid crystalline polymers, non-newtonean fluid mechanics; research project management.
- Teaching: Several university courses (Technical University of Crete, University of Athens, Technische Universiteit Delft, Stevens Institute of Technology) for pre- and post-graduate students and seminars for the personnel of the industry.

Research interests

- (Nano)composites
- Structure and properties of polymers and other materials
- Polymer mixtures, morphology and recycling of polymers
- Rheology and polymer processing

Selected research projects

- 2012–2015 Development of nano-composite materials with a ceramic matrix and metall reinforcement (Thalis, 2012, NTUA)
- 2012–2015 Complex Visco-elastic and Visco-plastic materials: From Microscopic Structure and Dynamics to Macroscopic Flow (Thalis, 2012, FORTH)
- 2010–2015 Relating the macromolecular structure with the mechanical properties of polymers (Herakleitos, TUC)
- 2007–2008 Nano-composite coatings with reduced gas permeability (Special Research Funds Account, TUC)
- 2004–2005 Addition of Long Chain Branches to iPP by Solid State Reactions (w/U. Groningen, Slovak Academy of Sciences)
- 2001–2005 Fiber reinforced polymer blends – preferential wetting and dewetting of the polymeric components on the glass fiber (DPI)
- 2001–2005 Thermoplastic fibre-composites based on PA6 nanocomposites (DPI)
- 2001–2005 Innovative Water Borne Automotive Coatings – Application of nano-technology in the development of nano-composite coatings, (EET-EZ NL, Akzo-Nobel)

- 2000–2004 Morphology and Structure - Rheological Property Relations for Saturated Olefinic Thermoplastic Elastomer Compounds. (DPI, DSM, Kraton (πρώην Shell), Akzo Nobel)
- 2000–2004 Colloidal fiber reinforced thermoplastic composites (DPI)
- 1999–2004 Effect of molecular structure of polypropylenes on their elongational rheology (Akzo-Nobel Chemicals)
- 1998–1999 Rheology of water-in-oil-in-water emulsions (ATO DLO)
- 1997–1998 Different methods to measure the extensional viscosity of polymer melts (TU Delft και China Textile University)
- 1996–1998 Extensional rheology of thermotropic liquid crystalline polymers (Onderzoekschool PTN polymeren – Ολλανδικός οργανισμός έρευνας για πολυμερή)
- 1994–1998 Morphology development in polymer blends for efficient recycling (IOP Recycling)
- 1992–1997 Rheology of liquid crystalline polymers (IOP Polymer Rheology)
- 1990–1992 Polymer Mixing Study funded by: Allied Signal, Amoco, Asahi Chemicals, Chevron, Dow, DuPont, Enimont, Exxon, Farrel, Himont, 3M, Killion Extruders, Japan Steel Works, Kobe Steel, Mitsubishi Kasei, Monsanto, Rheometrics Scientific, Shell, Union Carbide, Werner & Pfleiderer, Xerox, Eastman Chemicals

Publications – summary:

Journal articles

Articles	More than 45 in the last 25 years
Nr. citations	More than 1400 in the last 25 years
h-index:	19 (October, 2013)

Conference articles/presentations

International:	More than 50 in the last 50 years
Greek:	More than 10 in the last 15 years

Invited lectures:

- Polymer Blending and Mixing Equipment
Lecture series for the Japanese industry: Japan Steel Works (Hiroshima), Kobe Steel (Kobe), Mitsubishi Kasei (Tokyo), Asahi Chemicals (Yokohama), Japan, July 1992
- The rheology of thermotropic liquid crystalline polymers
Czech Academy of Sciences, Prague, Czech Republic, 1995
- The Rheology of Liquid Crystalline Polymers
Laboratorium voor Materiaalkunde, Delft, NL, 1995
- Optimization of properties of polymer blends and recycled plastics: Processing immiscible blends to form co-continuous morphologies
Polymeer Technologie Nederlands (PTN) short conference, Ede, NL 1996
- Shear and extensional rheology of nematic liquid crystalline polymers
Charles University, Prague, Czech Republic, 1999
- Chain structures of polypropylenes and their rheology in extensional flow
16th annual conference of the Polymer Processing Society, Shanghai, China, 2000
- Mixing Processes in Polymers
Series of lectures, the HCMC Plastics Technology Center, Ho Chi Minh City, Vietnam, 2002
- Modification of polypropylene to obtain long chain branching: effect of branches on rheology and processing.
EITXHΔ, Thermi, Thessaloniki, January, 2004.
- Fibre reinforced polymer blends
FORTH-IESL (ITE-IHΔΛ), April 2005.

Reviewer in journals

Last 10 years: on average 15 articles per year to review; for the following journals:

- ACS nano
- European Polymer Journal
- Polymer
- Rheologica Acta
- Journal of Rheology
- Journal of Polymer Science, part B: physics
- Macromolecules
- Polymer Bulletin

Journal articles

- D.G. Baird, A. Gotsis and G.G. Viola, Flow Behaviour of thermotropic LC co-polyesters, ACS Polymer Preprints, 24(2), 292-293, 1983
- D.G. Baird, A. Gotsis and G.G. Viola, Transient Shear Flow Behaviour of Thermotropic LC Co-polyesters, in Pol. Liq. Crystals, 183-195, Blumstein ed., Plenum Press, NY 1985.
- A.D. Gotsis and D. G. Baird, Rheological Properties of Liquid Crystalline Co-polyester Melts. II Comparison of Capillary and Rotary Rheometer Results, J. Rheol. 29(5), 539-556, 1985
- A.D. Gotsis and D.G. Baird, Primary Normal Stress Difference of two Liquid Crystalline Co-polyesters, Rheol.Acta 25, 275-286, 1986
- S.A. White, A.D. Gotsis and D.G. Baird, Review of the Entry Flow Problem. Experimental and Numerical Studies, J.Non-Newt.Fl.Mech. 24, 121-160, 1987
- D.M. Kalyon, A.D. Gotsis, U. Yilmazer, C. Gogos, H. Sangani, B. Aral and C. Tsenoglou, Development of Experimental Techniques and Simulation Methods to Analyze Mixing in Co-rotating Twin Screw Extrusion, Adv.Polym.Tech. 8(4), 337-345, 1988
- D.M. Kalyon, A.D. Gotsis, C. Gogos and C. Tsenoglou,, Towards a better understanding of Mixing in a Co-rotating Twin Screw Extruder, ANTEC Tech. papers, vol 34, p. 64, 1988
- A.D. Gotsis and D.M. Kalyon,, Simulation of Mixing in Co-rotating Twin Screw Extruder, ANTEC Tech. papers, vol 35, p. 44, 1989
- A.D. Gotsis, D.G. Baird and J.N. Reddy, Comparison of Experimental Data with the Numerical Simulation of Planar Entry Flow: Role of the Constitutive Equation, Int.J.Num. Meth.Fl. 10, 373-400, 1990
- A.D. Gotsis, Z. Ji and D.M. Kalyon,, Numerical Simulation of the Flow in the Kneading Block Region of the Co-rotating Twin Screw Extruder, ANTEC Tech. papers, vol 36, p. 139, 1990
- Z. Ji., A.D. Gotsis and D.M. Kalyon, Single screw extrusion processing of highly filled suspensions, ANTEC Tech. papers, vol 36, p. 160, 1990
- Z.Ji and A.D. Gotsis , Numerical Study of Slip at the walls in the Extruder, Int.Polym.Proc. VII(2), 132-139, 1992
- H.C. Langelaan, A.D. Gotsis and A. Posthuma de Boer, On the linearity of the pressure drop during flow of thermotropic LCPs in slits and capillaries, J.Rheol., 38(5), 1353-1367, 1994
- A. D. Gotsis and H. C. Langelaan:, Origins of non linear pressure profiles in the flow of nematic melts in capillaries and slits, J.Rheol. 38(5), 1369-1383, 1994
- H.C. Langelaan, A.D. Gotsis and A. Posthuma de Boer, Rheology of thermotropic liquid crystalline polymers: slit rheometer measurements, Progr. & Trends in Rheol. IV, p. 494, 1994
- H.C. Langelaan and A.D. Gotsis, The relaxation of shear and normal stresses of nematic LCPs in squeezing and shear flows, J.Rheol. 40(1), 107-129, 1996
- F. Beekmans, A.D. Gotsis and B. Norder, Transient and steady state rheological behaviour of the thermotropic LCP Vectra B950, J.Rheol. 40(5), 947-966, 1996
- F. Beekmans, A.D. Gotsis and B. Norder, The influence of the flow history on the stress growth and structural changes in the thermotropic LCP Vectra B950, Rheologica Acta, 36(1), 82-95, 1997
- R.C. Willemse, R. Doelam and A.D. Gotsis, Stability of blends with co-continuous morphologies during injection molding, ANTEC Tech. papers, 44, pp. 2556-2560, 1998
- R.C. Willemse, A. Posthuma de Boer, J. van Dam, A.D. Gotsis,, Co-continuous morphologies in polymer blends: a new model, Polymer, 39(24), 5879-5887, 1998.
- A.D. Gotsis and M.A. Odriozola, Elongational viscosity of a thermotropic liquid crystalline polymer, Progress and Trends in Rheology V, 222-223, 1998
- A.D. Gotsis and A.M. Odriozola, The relevance of the entry flow method for the estimation of the extensional viscosity, Rheol.Acta, 37, 430-437, 1998

- R. Willemse, A. Posthuma de Boer, J. van Dam, A.D. Gotsis, Co-continuous morphologies in polymer blends: the influence of the interfacial tension, *Polymer*, 40(4), 827-834, 1999
- A.D. Gotsis and Qinfei Ke, Comparison of three methods to measure the elongational viscosity of polymer melts: Entry flow, fiber spinning and uniaxial elongation, *ANTEC Tech. papers*, 45, pp. 1156-1161, 1999
- Ke, Qinfei and A.D. Gotsis, Investigation of extensional viscosity of polymer melts and their molecular structures, *J. Dong Hua Uni. (engl. ed.)*, 16(4), 9-12, 1999
- B.M. van der Horst, H.C. Langelaan and A.D. Gotsis, Rheological studies of water-in-oil-in-water double emulsions, *Progr.Coll.Polym.Sci.*, 115, pp. 315-419, 2000
- A.D. Gotsis and A.M. Odriozola, Extensional viscosity of a thermotropic liquid crystalline polymer, *J. Rheol.*, 44(5), 1205-1223, 2000
- A.D. Gotsis, R.P. Lagendijk and A.H. Hogt, The influence of peroxide modification on the extensional rheological properties of polypropylene, *Proceedings, XIIIth Intern. Congress on Rheology*, 2000, 1-203
- C.J. Tsenoglou and A.D. Gotsis, Rheological Characterization of Long Chain Branching in a Melt of Evolving Molecular Architecture, *Macromolecules*, 34, 4685-4687, 2001
- R.P. Lagendijk, A.D. Gotsis, A. Hogt and A. Buijtenhuijs, Peroxydicarbonate modification of polypropylene and extensional flow properties, *Polymer*, 42(25), 10035-10043, 2001
- A.D. Gotsis, A.H. Hogt, Vertakt polypropreen: Hoge smeltsterkte en goede eigenschappen in rekstroming, *Kunststof en Rubber*, 58(2), 28-30, 2003
- P. Sengupta, J.W.M. Noordermeer, W.G.F. Sengers and A.D. Gotsis, A comparative study of the morphology and structure related properties of saturated olefinic thermoplastic elastomer blends of EPDM/PP/oil and SEBS/PP/oil, *Elastomer*, 38(1), 27-37, 2003
- A.D. Gotsis, B.L.F. Zeevenhoven and A.H. Hogt, The effect of long chain branching on the processability of polypropylene in thermoforming, *Polym.Eng.Sci.* 44(5), 973-982, 2004
- A.D. Gotsis, B.L.F. Zeevenhoven and C. Tsenoglou, Effect of long branches on the rheology of polypropylene, *J. Rheol.*, 48(4), 895-914, 2004
- W.G.F. Sengers, P. Sengupta, J.W.M. Noordermeer and A.D. Gotsis, Dynamic Rheological and Mechanical properties of olefinic thermoplastic elastomer compounds, *ANTEC Tech. papers*, 50, 3265-3269, 2004 (also in CD-ROM)
- W.G.F. Sengers, P. Sengupta, J.W.M. Noordermeer, S.J. Picken and A.D. Gotsis, Linear viscoelastic properties of olefinic thermoplastic elastomer blends: Melt state properties, *POLYMER* 45(26): 8881-8891 2004
- P. Malchev, C. David, J. Picken and A.D. Gotsis, Mechanical properties of fiber reinforced polymer blends, *POLYMER* 46(11), 3895-3905, 2005
- W.G.F. Sengers, O. van den Berg, M. Wübbenhorst, A.D. Gotsis and S.J. Picken, Dielectric spectroscopy using dielectric probes: A new approach to study glass transition dynamics in immiscible apolar polymer blends, *POLYMER* 46(16), 6064-6074, 2005
- W.G.F. Sengers, M. Wübbenhorst, S.J. Picken and A.D. Gotsis, Distribution of oil in olefinic thermoplastic elastomer blends, *POLYMER* 46(17), 6391-6401, 2005
- D.P.N. Vlasveld, M. de Jong, H.E.N. Bersee, A.D. Gotsis, S.J. Picken, The relation between rheological and mechanical properties of PA6 nano- and micro-composites, *POLYMER* 46(23), 10279-10289, 2005
- C. Tsenoglou, E. Vogiatzis and A.D. Gotsis, An integral constitutive equation for the analytic description of nonlinear visco-elastic stress in fluids under elongation, *J.Non-Newt.Fl.Mech.* 138, 33-43, 2006
- P.G. Malchev, B.Norder, S.J. Picken and A.D. Gotsis, The strain dependence of the dynamic moduli of short fiber reinforced thermoplastic blends, *J.Rheol.*, 51(2), 235-260, 2007
- P.G. Malchev, G. de Vos, B.Norder, S.J. Picken and A.D. Gotsis, Evolution of the morphology and the mechanical properties of ternary PE/PA6/GF composites during annealing, *POLYMER* 48(21), 6294-6303, 2007
- P.G. Malchev, B.Norder, S.J. Picken and A.D. Gotsis, Effect of annealing on the rheology of SFRBs, *POLYMER* 48(23), 6834 - 6842, 2007
- E. Borsig, A.D. Gotsis, F. Picchioni, M. van Duin, Addition of Long Chain Branching on Linear Polypropylene in the Solid State, *EUR.POLYM.J.*, 44(1), 200-212, 2008
- G. Choudalakis and A.D. Gotsis, Permeability of polymer/clay nanocomposites: A review, *EUR.POL.J.*, 45, 967-984, 2009
- P.G. Malchev, G. de Vos, S.J. Picken and A.D. Gotsis, Mechanical and fracture properties of ternary PE/PA6/GF composites, *Compos.Sci.Tech.*, 70(5), 734-742, 2010
- G. Choudalakis, A.D. Gotsis, H. Schut and S.J. Picken, The free volume in Acrylic Resin/Laponite Nanocomposite Coatings, *European Polymer Journal*, 47:264-272, 2011

- A.D. Gotsis and M. Kalaitzakis, Branched PP: high melt strength and processability in elongational flows, *Bull.Hell.Soc.Chem.Eng.*, 202:132-140, 2011
- G. Choudalakis and A.D. Gotsis, Permeability in Polymer-Based Nanocomposites, *MRS Proceedings* 1312:397-407, 2011
- G. Choudalakis and A.D. Gotsis, Free volume and transport properties in polymer nanocomposites, *Curr.Op.Coll.Interf.Sci.*, 17(3):132-140. 2012
- G. Choudalakis and A.D. Gotsis, Morphology and gas transport properties of acrylic resin/bentonite nanocomposite coatings, under review, *J.Membr.Sci.*, 2013
- G. Choudalakis H. Kalo, J. Breu and A.D. Gotsis, Gas barrier properties in polymer nanocomposite coatings containing Li-hectorite clay, under review, *J.Appl.Polym.Sci.*, 2013

Conference presentations

International (include international conferences in Greece)

- D.G. Baird, G.G. Viola, A.D. Gotsis, "Predictions of the Shear Flow Properties of Liquid Crystalline Copolyesters", 55th annual meeting of the Society of Rheology, October 1983
- D.G. Baird, A.D. Gotsis, G.G. Viola, "Studies of the Rheological Behavior of Liquid Crystalline Polymers", 56th annual meeting of the Society of Rheology, January 1985
- M.D. Read, A.D. Gotsis, D.G. Baird, "Comparison of the results from the Numerical Simulation of Viscoelastic Flows Using Three Constitutive Equations with Flow Visualization Data", 57th annual meeting of the Society of Rheology, Oct. 1985
- A.D. Gotsis, S.A. White, D.G. Baird, J.N. Reddy, "Simulation of Entry Flow and Flow Over a Hole for Viscoelastic Fluid Flows Using the Penalty/FEM", 58th annual meeting of the Society of Rheology, October 1986
- A.D. Gotsis, D.M. Kalyon, C. Gogos, C. Tsenoglou, "Simulation of Mixing of Highly Filled Suspensions in the Co-rotating Twin Screw Extrusion Process", 1987 North American Meeting of the Polymer Processing Society, September 1987
- D.M. Kalyon, A.D. Gotsis, C. Gogos, C. Tsenoglou, "Towards a better understanding of Mixing in a Co-rotating TSE", 1988 ANTEC
- A.D. Gotsis, D.M. Kalyon, "Simulation of Mixing in Co-rotating Twin Screw Extruder", 1989 ANTEC
- M. Abbaoui, A.D. Gotsis, C. Gogos, "Drag-Induced Pressure Development in Barrier Internal Mixers", 1989 ANTEC
- D.M. Kalyon, A.D. Gotsis, U. Yilmazer, Z. Ji, "Simulation and Experimental Studies of Mixing in Co-rotating Twin Screw Extruders", Polymer Processing Society Inter-American Meeting, Amherst 1989
- Z. Ji, A.D. Gotsis, D.M. Kalyon, "Numerical Simulation of the Flow in the Kneading Block Region of the Co-rotating Twin Screw Extruder", 1990 ANTEC
- Z. Ji, A.D. Gotsis, D.M. Kalyon, "Modelling of Mixing in a Single Screw Extruder with Slip at the Wall", 1990 ANTEC
- A.D. Gotsis, "Modelling of Mixing Processes", invited lecture at the short course on "Mixing and Dispersion in Polymer Systems", Secaucus, NJ, March 1991
- A.D. Gotsis, H.C. Langelaan, A. Posthuma de Boer, "Slit rheometer measurements of thermotropic liquid crystalline polymers. 1. Experiments; 2. mathematical modelling", two lectures at the Europhysics Conference on Macromolecular Physics, Eindhoven, 1994
- H.C. Langelaan, A.D. Gotsis and A. Posthuma de Boer, "Rheology of thermotropic liquid crystalline polymers: slit rheometer measurements", 4th Meeting of the European Society of Rheology, Sevilla, September 1994
- A.D. Gotsis, "The rheology of liquid crystalline polymers", invited lecture at the Charles University, faculty of Physics, Prague, May 1995
- A.D. Gotsis, H.C. Langelaan, "Stress relaxation of liquid crystalline polymer melts in squeezing and shear flows", 67th annual meeting of the Society of Rheology, Sacramento, Oct. 1995
- F. Beekmans and A.D. Gotsis, "Stress growth and textural changes in a thermotropic LCP", poster at the 67th annual meeting of the Society of Rheology, Sacramento, Oct. 1995
- A.D. Gotsis, R. Willemse, "On the formation of co-continuous morphologies in polymeric blends", PTN-dag: Ontwikkelen in Productieprocessen, Ede, May 1996
- R. Willemse, A.D. Gotsis, A. Posthuma de Boer, "Modelling of the formation of co-continuous morphologies in polymer blends", 12th Polymer Processing Society Meeting, Sorrento, June 1996

- H.C. Langelaan, A.D. Gotsis, "The influence of crystallization on the rheological behaviour of HBA/HNA copolymers", 12th Polymer Processing Society Meeting, Sorrento , June 1996
- A. Odriozola, A.D. Gotsis, A. Posthuma de Boer, "Measuring the extensional viscosity of polymers", pres. at the 1997 SON bijeenkomst, Lunteren, Feb. 1997
- F. Beekmans, A.D. Gotsis, "Effect of the flow history on the structure growth of thermotropic liquid crystalline polymers", Vloeibare Kristallen Dag, Arnhem, Feb. 1997
- R.C. Willemse, A. Posthuma de Boer, J. van Dam, A.D. Gotsis "Co-continuous morphologies in Polymer Blends: a Model", Europe/Africa regional meeting of PPS, Gothenburg, August 1997
- R.C. Willemse, R. Doelam, A.D. Gotsis, "Stability of blends with co-continuous morphologies during injection molding", 1998 ANTEC, April 1998
- M.A. Odriozola, A.D. Gotsis, "The extensional flow properties of the thermotropic liquid crystalline polymer Vectra A950", 5th European Rheology conf., Portoroz, Sept. 1998
- M.A. Odriozola, A.D. Gotsis, "Elongational viscosity of a thermotropic liquid crystalline polymer", 2nd HSR meeting, Heraklion, Sept. 1998
- M.A. Odriozola, A.D. Gotsis, "The extensional flow properties of the thermotropic liquid crystalline polymer Vectra A950", Vloeibare Kristallen Dag, Geleen, 1998
- R.C. Willemse, E.J. Visscher and A.D. Gotsis, Interfacial tension of PP/PS: effect of the degradation of PP, 1999 ANTEC, 1999
- R.C. Willemse, E.J.J. Ramaker and A.D. Gotsis. "Morphology development in immiscible polymer blends: initial blend morphology and phase dimensions", European Polymer Blends Symposium, Mainz, 1999
- B.M. van der Horst, H.C. Langelaan and A.D. Gotsis, "Rheological studies of water-in-oil-in-water suspensions", Emulsions Conf., Dublin, 1999
- R.C. Willemse, E.J.J. Ramaker and A.D. Gotsis, "Morphology development in immiscible polymer blends", Annual Conference of the Polymer Processing Society, Secaucus NJ, 1999
- R.P. Lagendijk, A. Hogt and A.D. Gotsis, Chain structures of polypropylene and their rheology in extensional flows, Annual Conference of the Polymer Processing Society, Shanghai, 2000
- A.D. Gotsis, R.P. Lagendijk, A.H. Hogt, «The influence of peroxydicarbonate modification on the extensional rheological properties of polypropylene», Intern. Congress of Rheology, Cambridge, 2000
- Rob Lagendijk, A.H. Hogt, A.D. Gotsis, "Peroxydicarbonate modification of polypropylene and its extensional flow properties", Int. Akzo Nobel Symposium on Polymer Chemistry, Sassenheim, 2001
- A.D. Gotsis, "Elongational rheology of branched polypropylene", pres. At the Hellenic Society of Rheology meeting, Patras, 2001
- A.D. Gotsis, A.H. Hogt, "Elongational properties of modified polypropylene", European Polymer Federation meeting, Eindhoven, 2001
- A.D. Gotsis, W. Sengers, P. Sengupta and J. Noordermeer, "Morphology and Structure / Rheological Properties Relations for Saturated Olefinic Thermoplastic Elastomer Compounds", Annual Conference of the PPS, Guimaraes, Portugal, June 2002
- A.D. Gotsis and B. Zevenhoven, "The addition of branches to PP and its elongational flow properties", Annual Conference of the PPS, Guimaraes, Portugal, June 2002
- A.D. Gotsis, B. Zevenhoven and A. Hogt, "The rheology of branched PP", Conference of the European Society of Rheology, Erlangen, Germany, Sept. 2002
- P. Sengupta, J.W.M. Noordermeer, W.G.F. Sengers and A.D. Gotsis, "A Comparative Study of Morphology and Structure related Properties of Saturated Olefinic Thermoplastic Elastomer Blends of EPDM/PP/Oil and SEBS/PP/Oil", International Rubber Conference, Prague, CZ, July 2002
- W.G.F. Sengers and A.D. Gotsis, "Distribution of processing oil in olefinic thermoplastic elastomer compounds", Europe-Africa conference of the Polymer Processing Society, Athens, September 2003
- P.G. Malchev and A.D. Gotsis, "Fiber reinforced thermoplastic blends", Europe-Africa conference of the Polymer Processing Society, Athens, September 2003
- E. Mitsoulis, S.G. Hadzikiriakos and A.D. Gotsis, Modeling the Bagley correction in flow through dies: simulations and experiments", Europe-Africa conf. of the Polymer Processing Society, Athens, September 2003
- W.G.F. Sengers, P. Sengupta, J.W.M. Noordermeer and A.D. Gotsis, Dynamic Rheological and Mechanical Properties of Olefinic Thermoplastic Elastomer Compounds, 2004 ANTEC, Chicago, USA

- A.D. Gotsis and C. Tsenoglou, Long Chain Branches and the Rheology of Polypropylene, Hellenic Society of Rheology meeting, Athens, 2004
- W.G.F. Sengers, O. van den Berg M.R. Wübbenhorst and A.D. Gotsis, Distribution of Processing Oil in Olefinic Thermoplastic elastomer, BDS meeting, Delft 2004
- P.G. Malchev, B. Norder, S.J. Picken and A.D. Gotsis, Rheology of Short Fibre Reinforced Thermoplastic Blends, 2006 Annual European Rheology Conference, Hersonissos, 2006
- W.G.F. Sengers, S.J.Picken and A.D. Gotsis, Melt Creep Behaviour of Elastomer-Polymer Blends, 2006 Annual European Rheology Conference, Hersonissos, 2006
- F. Picchioni, A.D. Gotsis, E. Borsig and M. van Duin, New developments in solid-state modification of polypropylene, 6th European Congress of Chemical Engineering, Copenhagen, 16-21 September 2007
- Georgios A. Choudalakis and Alexandros D. Gotsis, Permeability of Polymer/Clay Nanocomposites, invited, Materials Research Society, Fall meeting 2010, Symposium II: Polymer based nanocomposites, Boston, 29/11-3/12, 2010.
- Alexandros D. Gotsis and Emmanuel Fragkoulis, BUBBLE GROWTH IN A POLYMERIC FLUID UNDERGOING A CROSS-LINKING REACTION, 2011 International conference of the Hellenic Society of Rheology, Athens, July, 2011

Greek (do not include international conferences that took place in Greece)

- A. Odriozola, A.D. Gotsis, "Extensional rheology of flexible and liquid crystalline polymer melts", 4ο πανελλήνιο συνέδριο πολυμερών, Νοέμβριος 1997
- A.D. Gotsis, "Elongational Rheology of branched polypropylene", 3ο Πανελλήνιο Συνέδριο Χημικών Μηχανικών, Αθήνα, 2001
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