ALICIA DICKENSTEIN

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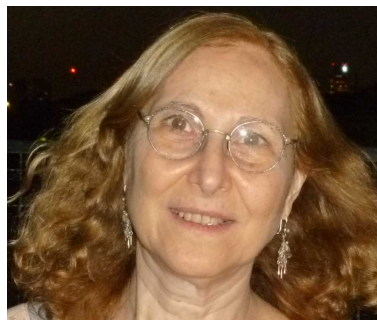
Birth:	January 17, 1955, Buenos Aires.
Degrees:	B. Sc (1977), PhD (1982), University of Buenos Aires.
Current positions:	Full Professor, University of Buenos Aires. Principal Researcher, CONICET.
Research interests:	Algebraic geometry and applications, in particular: toric geometry, hypergeometric functions, duality, sparse elimination theory, tropical geometry, polynomial system solving, algebraic methods for the study of biochemical reaction networks.

International visiting appointments: Visiting Professor Positions: U.Poitiers, France (1991 and 2001) - U. Paris 6, France (1992) - U. Paris 7, France (1993) - U. Bordeaux I, France (1994) - City U., Hong Kong, China (1999) - U. Sao Paulo, Brazil (2004), award from Fundacao do Milênio - U. Stockholm, Sweden (2000 and 2002), awards from National Research Council and Wenner Gren Foundation, Sweden - Royal Institute of Technology, Sweden (2011). Research Professor, MSRI, Berkeley (1998). Key Visitor, Institute for Mathematics and Its Applications (IMA), Minneapolis (2006-2007). Research Visitor, SAMSI (2008-2009). Eisenbud Professor, MSRI, Semester on Tropical Geometry (2009). Santander Abbey IAS Visiting Fellowship, University of Warwick, UK (2010). Scientific Leader, Institut Mittag-Leffler, Sweden (2011). Visiting Scientist, University of Athens, Greece, and University of Oslo, Norway (2012). Simons Professor, MSRI, Semester on Commutative Algebra (2012). Simons Senior Research Associate, ICTP, Italy (2014-2019).

Selected Academic Service and Functions: National: Head of the Mathematics Department, FCEN, UBA (1996-1998). Member of the Directive Council, FCEN, UBA (1998-2002). Vice-chairman of the Mathematics Committee, CONICET (2002-2003). Member of the Basic Sciences Committee, UBA (1997-2010). Coordinator National Report on Mathematics 1984-2014, National Academies of Sciences and Ministry of Science and Productive Innovation, Argentina (2014). **International:** Member of the Advisory Board of MEGA (Effective Methods in Alg. Geometry) (since 2002). Member of CIMPA (Centre International de Math. Pures et Appliquées), France (since 2005). Member of the Advisory Committee of the European Marie Curie ITN SAGA (2008-2013). Reviewer for VQR 2004-2010, ANVUR, Italy (2012). Member of the Scientific Committee of the Simons Foundation Africa Mathematics Project (2012). Member of the International Advisory Board, ICWM 2014, Korea (2014). Member of the External Evaluation Committee, CIMAT, Guanajuato, Mexico (2014-2016).

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[1]Please, find my full list of publications in the CV available at my webpage.

Member of Editorial Boards: *Journal of Symbolic Computation*, since 2003; *Revista de la Unión Matemática Argentina*, since 2011.

Conferences Co-organized (since 2011) 2014: MOCCA 2014, Italy; VII National School of Algebra, Argentina. CIMPA School and Workshop on Real Alg. Geom., Colombia. 2013: SIAM Conference on Applied Alg. Geom. AG 13, USA (Co-chair); MEGA 2013, Frankfurt, Germany; AIM Workshop on Mathematical problems arising from biochemical reaction networks. 2012: Workshop on Combinatorial Commut. Algebra and Appl., MSRI; Session on Alg. Geom. and Commut. Algebra, IV Latin American Congress of Mathematicians (CLAM), Argentina; VI National School of Algebra; V Argentinian School on Mathematics and Biology. 2011: Spring Semester on Algebraic Geometry with a View Towards Applications, Mittag Leffler Institute, Sweden; CIMPA-ICTP School on Alg. Geom. and Appl., Argentina; MEGA 2011, Stockholm, Sweden.

Selected invited lectures (since 2012): 2014: Computational Algebraic Geometry Workshop, FOCM 2014, Uruguay, Semi-plenary speaker; Escola de Algebra 2014, Maringá, Brazil, Plenary speaker; CIMPA School, Senegal, Mini-course speaker; Colloquium, University of Copenhagen, Denmark. 2013: First Mathematical Congress of the Americas (MCA 2013), Mexico, Invited speaker; Colloquium, Utrecht University, The Netherlands. 2012: Colloquium, Special Year on Commutative Algebra, MSRI, USA; Connections for Women, MSRI, USA, Invited speaker; IMA-PI Summer graduate program on Algebraic Geometry for Applications, Georgia Tech, USA (Mini-course speaker); School on Computational Algebra and Number Theory, ICTP, Italy (Mini-course speaker); EACA 2012, Spain (Invited speaker); CMA lecture, Norway.

Students: Supervised the theses of 5 phd students and 17 master students.

Collaborators (since 2007): M. Bourel (Uruguay), N. Botbol (Argentina), E. Cattani (USA), C. Conradi (Germany), G. Craciun (USA), M.A. Cueto (USA), R. Curran (USA), D. Cox (USA), T. Dasgupta (USA), S. di Rocco (Sweden), M. Dohm (Germany), I. Emiris (Greece), E. M. Feichtner (Germany), E. Feliu (Denmark), V. Fisikopoulos (Greece), J. Gunawardena (USA), A. Karasoulou (Greece), R. Karp (USA), E. Kunz (Germany), F. N. Martínez (Argentina), L. Matusevich (USA), E. Miller (USA), M. Pérez Millán (Argentina), S. Müller (Austria), B. Nill (Sweden), G. Regensburger (Austria), R. Piene (Norway), A. Rittatore (Uruguay), F. Rodríguez Villegas (Italy), J. M. Rojas (USA), K. Rusek (USA), T. Sadykov (Russia), H. Schenck (USA), J. Shih (USA), A. Shiu (USA), B. Sturmfels (USA), L. Tabera (Spain), E. Tobis (Argentina), M. Vergne (France).

Activity in Math Education: I wrote math books with problems for 9-12 year old children and participated of many activities with primary school teachers. Since 2012 I am part of the Moebius Project (`http://moebius.dm.uba.ar`, in Spanish) and visited public high schools to disseminate math via the use of software producing beautiful images (in particular: Surfer, from imaginary.org).

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Brief statement

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Besides my research work, I have been engaged in many different synergistic activities at the local, national and international levels. I am willing to collaborate actively as an IMU officer to promote the unity of mathematics and mathematicians across geographic and thematic borders. In particular, I hope my experience will be helpful to enhance the IMU presence in the developing world.