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Curriculum Vitae	Antonietta Morena Gatti International Fellow of the Union of the Societies of Biomaterials and Engineering	
Address Ph. Fax Email Nationality Driving License	Secretary +39059798778 +390597579182 gatti@nanodiagnostics.it Italian	
Name of current employer		
Type of business or sector	Expert of Investigative and Personalized Medicine, Forensic Pathology, Environmental Consultant, Expert of Environment Sustainability, Nanotoxicology, Nanoecotoxicology, Nanopathology, Risk assessment, Nanomaterials, Materials Biocompatibility, Food Contamination, Scanning Electron Microscopy and x-ray microanalysis.	
Education	1973-1976 School of Sp	hysics at the University of Bologna, Italy. pecialization (PhD) in Biomedical Technologies ering) at the University of Bologna, Italy.
Professional Positions	2011- Associate P for the Scie 2012- Contract wi 2011- Visiting Pro	rofessor at the National Council of Research of Italy-Institute nce and Technologies of Ceramic materials th the University of Urbino fessor of the Institute for the Advanced Convergences at of State, Washington, USA)
Occupation or position held	the Univers 1977-1979 Lecturer at Bioenginee 1975-1977 Fellowship 1973-1975 Contract of 1985-2011 In charge or Reggio Emil Biomaterial 2004- Scientific co start-up col 2010- Visiting Pro (Department 2011- Contract wi 2012- Associate p	f Biomaterials at the Faculty of Biomedical Technologies at ity of Modena and Reggio Emilia, Italy. (retired) the University of Bologna, Orthopaedic Clinics, Laboratory of ring and at Orthopaedic Rizzoli Institutes. at the University of Ferrara, Institute of Physics. Tecnomare S.p.a. if the Laboratory of Biomaterials at the Univ. of Modena and italiand researcher of Biotechnology and professor of s, Dental Materials. Institute of Nanodiagnostics srl, impany of the European project "Nanopathology". If fessor of the Institute for Advanced Sciences Convergence and of State, USA). Ith the University of Urbino rofessor of the Institute of Science and Technology of interials at National Council of Research of Italy.
Courses taught and other services provided to students	University of Lecturer of University of University of 1981-2004 Lecturer of Modena an 1986-1993 Lecturer of Technologic	f Biomaterials at the degree of Biotechnology of the of Modena and Reggio Emilia. Biomechanics at the University School for Physiotherapists, of Modena and Reggio Emilia. Biomaterials at the College of Dentistry at the University of d Reggio Emilia. Biomaterials at the school of Specialization of Biomedical es at the University of Bologna. Bioengineering of the Locomotor System at the School of

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	1977-79	Specialization of Orthopaedics at the University of Bologna. Lecturer of Physics I and II for the students of the degree in Physioterapists.
Invited lectures	2001	Lectures as Visiting Professor at the University di Melbourne (Bioengineering Dept.), University of Technology of Sydney and New
	2001	South Wales, Brisbane (Australia) Bioengineering Unit (August). Lectures as Visiting Professor at the University di Melbourne (Bioengineering Dept.), University of Technology of Sydney and New South Wales, Brisbane (Australia) Bioengineering Unit, (August).
	2004	Lectures at the University of New York, College of Dentistry, on Nanopathology (October)
	2005	Visiting Professor and lecture on Risk assessment on Nanotechnologies" at the University of Taipei, Taiwan (January).
	2005	Visiting Professor at the University of Sapporo (Japan) College of
	2006	Dentistry (February). Lecturer at the Summer School, Ascona (Switzerland) on "Nanopathology: a correlation between environmental pollution and disease", (September).
	2008	Lecture at the Imperial College Department of Materials, London (UK) for students of Nanomaterials MSc course (November) on Nanotoxicology: the concept of Biocompatibility in Nanotechnology in the era of Nanotechnologies" (November).
	2007-2008	Lectures at the University of Technology of Sydney, School of Biotechnologies. August
	2009 2011	Telematic-lecture at the University of Technology at Melbourne. Lecture of a Master Program of the University of Athens (Greece): "Environment and Health. Capacity building for decision making" Director: Assoc. Prof. P. Nicolopoulou-Stamati, on From asbestos to nanotechnology (May).
Other professional activities, such as	1986-1991	Member of 2 Scientific Committees of the Italian Institute for the Standardization of tests on biomaterials and dental materials.
-	1986-1991 1996-1997	
activities, such as workshops, seminars and		Standardization of tests on biomaterials and dental materials. Elected Smart Filter for the NASA Project S/MORE, a K-12 project providing a behind-the-scenes look at the life sciences research
activities, such as workshops, seminars and	1996-1997	Standardization of tests on biomaterials and dental materials. Elected Smart Filter for the NASA Project S/MORE, a K-12 project providing a behind-the-scenes look at the life sciences research conducted in space aboard the Mir station. (USA). European Commission (EC) expert for evaluation sessions of the European Research Projects "Biomed 2" [May 1998]; Projects "Innovation and Sustainable Growth" [2-6 May , Brussels 2000], Projects " Quality of life" [10-13 October, Brussels2000] EC consultant for future thematic areas for the EC projects-NEST (March
activities, such as workshops, seminars and	1996-1997 1998-2004	Standardization of tests on biomaterials and dental materials. Elected Smart Filter for the NASA Project S/MORE, a K-12 project providing a behind-the-scenes look at the life sciences research conducted in space aboard the Mir station. (USA). European Commission (EC) expert for evaluation sessions of the European Research Projects "Biomed 2" [May 1998]; Projects "Innovation and Sustainable Growth" [2-6 May , Brussels 2000], Projects "Quality of life" [10-13 October, Brussels 2000] EC consultant for future thematic areas for the EC projects-NEST (March 2004), and IST (April). National Coordinator of a 3-year Project of the National Council of
activities, such as workshops, seminars and	1996-1997 1998-2004 2004	Elected Smart Filter for the NASA Project S/MORE, a K-12 project providing a behind-the-scenes look at the life sciences research conducted in space aboard the Mir station. (USA). European Commission (EC) expert for evaluation sessions of the European Research Projects "Biomed 2" [May 1998]; Projects "Innovation and Sustainable Growth" [2-6 May , Brussels 2000], Projects "Quality of life" [10-13 October, Brussels2000] EC consultant for future thematic areas for the EC projects-NEST (March 2004), and IST (April). National Coordinator of a 3-year Project of the National Council of research called "IDRA" (Dental Implant with reduced bacterial activity). Elected Member of the scientific European Committee at DG-SANCO on Medicinal Products and Medical Devices and Member of the Working
activities, such as workshops, seminars and	1996-1997 1998-2004 2004 1998	Elected Smart Filter for the NASA Project S/MORE, a K-12 project providing a behind-the-scenes look at the life sciences research conducted in space aboard the Mir station. (USA). European Commission (EC) expert for evaluation sessions of the European Research Projects "Biomed 2" [May 1998]; Projects "Innovation and Sustainable Growth" [2-6 May , Brussels 2000], Projects "Quality of life" [10-13 October, Brussels2000] EC consultant for future thematic areas for the EC projects-NEST (March 2004), and IST (April). National Coordinator of a 3-year Project of the National Council of research called "IDRA" (Dental Implant with reduced bacterial activity). Elected Member of the scientific European Committee at DG-SANCO on Medicinal Products and Medical Devices and Member of the Working Group on Tissue Engineering for the European Commission in Brussels. International coordinator of the European project Nanopathology (QOL-2002-147) "Role of micro and nanoparticle in biomaterial inducing
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activities, such as workshops, seminars and	1996-1997 1998-2004 2004 1998 2000-2002 2002-2005 2003 2004	Elected Smart Filter for the NASA Project S/MORE, a K-12 project providing a behind-the-scenes look at the life sciences research conducted in space aboard the Mir station. (USA). European Commission (EC) expert for evaluation sessions of the European Research Projects "Biomed 2" [May 1998]; Projects "Innovation and Sustainable Growth" [2-6 May , Brussels 2000], Projects "Quality of life" [10-13 October, Brussels2000] EC consultant for future thematic areas for the EC projects-NEST (March 2004), and IST (April). National Coordinator of a 3-year Project of the National Council of research called "IDRA" (Dental Implant with reduced bacterial activity). Elected Member of the scientific European Committee at DG-SANCO on Medicinal Products and Medical Devices and Member of the Working Group on Tissue Engineering for the European Commission in Brussels. International coordinator of the European project Nanopathology (QOL-2002-147) "Role of micro and nanoparticle in biomaterial inducing pathology" Member of the European Task Force on" In-vitro Biocompatibility Tests" at the European Joint Research Centre of Ispra (Italy). Consultant of the Foundation for the Advancement in Science and Education for the New York Rescue Project for the victims and rescue workers of the Twin Tower Collapse.

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	diseases" in London, August 2005 invited by the President: Lord Morris of Manchester. A re-invitation occurred in 2007.
2005	Consultant to the United Nations University in Washington for the
2003	Millenium project on the nanotechnologies in the Military Field
	http://www.acunu.org/millennium/
2006-2008	Consultant of the 3rd Italian Governmental Commission on the
	Depleted Uranium diseases and leader of the Task Force working at the
	Military FireGround of Perdasdefogu (Sardinia, Italy).
2006-08	International Coordinator of the European Project DIPNA
	"Development of an integrated platform for nanoparticle analyses
	verifying their possible toxicity and eco-toxicity" 2006-08.
2008-2011	National Coordinator of the Project of the Italian Ministry of Defence:
2007 2012	"BATNAN: New filter for nanoparticles and bacteria".
2007-2012	Appointed Member of the Italian Scientific Committee for Prevention
	and Control of Diseases in soldiers (CPCM) of the Italian Ministry of Defense by the Minister of Defense, On. Parisi.
2006-2014	Reviewer of the European Science Foundation Research Conference for
2000-2014	scientific research projects.
2008	Appointed reviewer of the Austrian Government for the Research
2000	projects in Nanotoxicology
2008-12	Appointed reviewer of the Academy of Finland for the Research projects
	on Nanotechnologies, of the Swiss National Science Foundation, of the
	Austrian Government and Rustaveli (Armenian) Foundation
2009-	Appointed member of the Scientific Committee of the European
	Commission "NANOSAFETY CLUSTER" in Brussels.
2009	Appointed Member of the Committee of Food and Agricultural
	Organization (FAO) and World Health Organization in Rome for the
	safety in Nanotechnological Food.
2009-2013	Coordinator of the research project INESE of the Italian Institute of
	Technology on the impact of nanopollution on environment
2008	(nanoecotoxicology).
2008-	Appointed Consultant of ECOS, an NGO of the European Commission for the safety of the Environment and consumers
	and member of ISO and OECD for the standards of nanotoxicology.
2010-	Visiting Professor of the Institute for Advanced Sciences Convergence of
2010	the US Department of State. (USA).
2013-	Appointed Consultant of ANEC, an NGO of the European Commission
	the Consumers' protection
2016-	Appointed Consultant of the 4 th Governmental Commission on the
	Depleted Uranium and related Diseases (XVII legislatura)
2005	Audition at the House of Lords on "Depleted Uranium related diseases"
	in London, invited by the President: Lord Morris of Manchester, August
2007	2005 and in 2007.
2007	Co-organizer of the mid-term meeting of the European project Star City
	on sustainable growth and sustainable environment in the isle of Alderney (Channel Islands) and lecturer to the population, the local
	politicians and the British media to deliver information on the risk
	caused by incineration.
2012	Appointed International Fellow by the Union of the Societies of
	Biomaterials and Engineering in Chengdu (China)
2016	Appointed co-organizer of the World Biomaterials Conference in
	Montreal (Canada)May 2016.
2000	
2006	Consultant to the Public Prosecutor at the Criminal Court of Rovigo (Italy) in the trial against ENEL (Italian Power Supplier) for a case of
	environmental disaster. ENEL was recognized guilty.
2007	Consultant to the Public Prosecutor of the Criminal Court of Mantua
2007	(Italy) to assess the risks connected to emissions of a power plant
2007	Consultant to the Public Prosecutor of the Criminal Court of Bologna
ae of	

Multidisciplinary and international experience

	(Italy) for the risks connected to Bismuth contamination in animal feed.
2007-2008	Consultant to the Public Prosecutor of the Criminal Court of Terni (Italy)
	for the risk assessment of emissions from 1) an incinerator, 2) a carbon
	electrodes factory.
2008	Consultant to Polo Armi Leggere (a section of the Italian Army) to assess
	the risk connected to a case of industrial contamination involving the
	facilities.
2011	Consultant of the Prosecutor of Lanusei (Sardinia) for the Health
	Problems related to the activities of the Military Firing Range of Salto di

Consultant of the judge "Corte dei Conti of Italy (Venice)

Quirra.

2016

1996-1997

2011

Scientific Activity

Dr. Gatti has an interdisciplinary background that ranges from physics, chemistry, biology, physiology and pathology. Dr. Antonietta Gatti has a 30-year experience in research in the field of biomaterials and biocompatibility at national and international level in various capacities. She is supportive, performance-driven, and passionate while focusing on continual learning and development. In 2002 Dr Gatti was appointed coordinator of the European project called Nanopathology through which a new diagnostic tool was developed. The results of the project are described in her book Nanopathology, published by Pan Stanford Publishing (Singapore) and in Case Studies in nanotoxicology and particle toxicology published by Elsevier 2015 . She uses the scanning microscopy to identify nanoparticles in biological samples, organic matrices, in food, in water, in plants. The experience of Nanopathology led to a further European project called DIPNA (Nanotoxicology) again coordinated by Dr Gatti, to the Italian Projects BATNAN, INESE and VENAM of nanoecotoxicity. Author of about 220 articles in peer reviewed journals. She created the Laboratory of Biomaterials at the University of Modena. At present she is a European authority in the fields of nanopathology (the human and animal pathologies triggered by micro and nanoparticles), forensic pathology, nanotoxicology, nanoecotoxicology and environmental pollution. This international activity was awarded many times.

Scientific Excellence

S/MORE (S/MORE was a K-12 project providing a behind-the-scenes look at the life sciences research conducted in space aboard the Mir station). 1998-2001 National Coordinator of the CNR PF-MSTA "IDRA" (n.97.00888.PF34) "Dental Implants with low bacterial adhesivity coating". 2002-2004 **European Coordinator** of the European European Projects: Nanopathology (The role of micro and nanoparticles in inducing biomaterial pathologies) (QOL-147-2002-2005) and DIPNA (2006-2009). 2005 Nominated Consultant to the Italian Government at the OECD Meeting in Washington: for the nanotechnologies and risk assessment. 2006-2008 European Coordinator of the FP6 European Project; DIPNA Development of an Integrated Platform for Nanoparticle Analysis to verify their possible toxicity and eco-toxicity. 2008-2009 **National Coordinator** of the Project of the Italian Ministry of Defense: BATNAN: New filter for nanoparticles and bacteria. 2008-Appointed member of a Scientific Committee of the European Commission called Nanotox Cluster that joins together all the FP6 and FP7 coordinators. 2010-Visiting Professor of the Institute for the Advanced Science

Selected Smart Filter for the NASA about a Project of microgravity called

Professional honors, awards and fellowships with FBI.

1987 Award from GIRSO (Groupment Internationalle de Reserche de Stomatologie e de Implantologie) at the XXXI Conference of GIRSO for the best research "Impianto in allumina monocristallina su animale: studio del tessuto perimplantare" Palermo, April1987. (Experimental alumina dental implant).

Convergence of the Department of State in Washington (USA).

Invited Speaker at the Conference of Biosecurity in Washington USA

2004 Awarded Best paper of the year for "Effects of nano-scaled particles on

endothelial cell function in vitro: Studies on viability, proliferation and inflammation," assigned by the Editorial Board of the journal: Materials in Medicine.

2012 Appointed International Fellows by the Union of the Biomaterials Science and Engineering Societies

2014 Winner of the best image at the FEI Contest (nov.2014)

http://www.fei.com/image-contest/2014/monthly-winners/%5Cuploadedimages%5CFEISite%5CContent%5CImage_Gallery%5CImages%5C2014_Image_Contest%5CIM_20141217_Gatti_28_sweatspher.jpg

Winner of international grants

- 1978 Grant from Italian CNR for a 2-month stage in Osaka (Japan) at Osaka University and Osaka Minami National Hospital.
- 1978 Grant from NATO for in an Advanced Progress Course in Biomechanics at University of Ankara (Turkey).
- 1979 Grant from Italian CNR a 1-week stage for a Spring College on the Physics of the Polymers at the International Centre of Physics, Trieste (Italy).
- 2005 Grant as Visiting professor at the University of Hokkaido (Japan).
- 2005 Grant as Visiting professor at the University of Taiwan, Dept. of Bioengineering.

Membership and activities in professional associations

Dr. Gatti is peer-reviewer of international journals and member of Editorial boards **Referee of Journals**

- Journal of Materials Science: Materials in Medicine; 2-Biomaterials. (UK);
- 2- J of Biomedical Material Research: Part B

Member of Editorial Boards of Scientific Journals

- 1- J. of Biomechanics and Biomaterials; J. of Applied Biomaterials.
- 2- J. of Clinical Rehabilitative Tissue Engineering (Chinese Journal)
- 3- J of Nanomedicine Research
- 4- J of Nanotoxicology

Mother tongue(s) Other languages Self assessment European level (*)

Italian

s	English						
t	Unders	tanding	Speaking		Writing		
)	Listening	Reading	Spoken	Spoken			
			interaction	production			
	Good	Good	Good	Good	Good		
	(*) Common Furguean Framework of Reference for Languages						

(*) Common European Framework of Reference for Languages

Managerial and Communication Skills

2002-2012 Participation in many international (Italian, French, British, Swiss, German, Japanese) TV and radio programs on Depleted Uranium risks and as consultant of environmental pollution and related diseases.

2007 Participation in three movies: "Checosamanca" (directors Marco Berrino and Martina Parenti), and "L'Italia chiamò" (directed by Matteo Scanni, Leonardo Brogioni and Angelo Miotto), the former on nanopathology and the latter on Depleted Uranium and "Sporchi da morire" directed by M. Carlucci (2011) .

2008 Author with Stefano Montanari of the book "Nanopathology - The health impact of nanoparticles", Singapore.

2015 Author with Stefano Montanari of the book "Case Studies in Toxicology" Elsevier Publisher, USA, in press.

Conferences or symposia organized

1998-00 Member of the Scientific Committee of Bioceramics XI, New York, 1998 November, Bioceramics XII, Nara, Japan, 1999 October, Bioceramics XIII, Bologna, 2000 November.

2004 Coordinator of the Symposium on the "Risk Assessment of Nanoparticles and nanotechnologies" at the World Congress of Biomaterials, Sydney (Australia), 2004

2005 Co-organizer of the European Workshop, on "Research needs on Nanotecnologies" Brussels

2008 Organizer of the Symposium at the World Congress of Biomaterials,

Analytical skill

"The Concept of Biocompatibility in the Era of Nanotechnologies", Amsterdam 2008.

- 2009 Organizer and Coordinator of the International Workshop METHODS AND SIMULATION TESTS IN NANOTOXICOLOGY" at the Scuola Superiore Sant'Anna in Pisa, October 2009.
- 1998-Expert for the evaluation of the European research projects: 1-1998 Projects Biomed 2 "Technology Stimulation Measures for Small and Medium Size Enterprises", 2- 1999 Projects "Innovation and Sustainable Growth", and 3-1999 "Quality of Life".
- 2007 Member of the Italian Scientific Committee for Prevention and Control of Diseases in soldiers (CPCM) of the Ministry of Defense of Italy.
- 2008 Appointed member of a Jury for the NanoAward by the Austrian Government.

Patents and registered names

Patent: Ecovetro (n.40080 A/90): a method of the decontamination of waste water from Phosphorus and Calcium.

Registered Name: "Particle free": for the detection of micro and nano pollutants in

Computer skills and competences Artistic skills and competences **Community Service**

Good knowledge of Word, Excel, PowerPoint, Statistics Programs and Video software

She is a good mechanic of home appliances. Her hobbies are glass painting, batik and embroidering.

Dr. Gatti works for a Charity association called "Vita al Microscopio" for the dissemination of scientific information at popular level especially

Articles and book written

Dr. Gatti wrote 240 articles, two books and 5 chapters in books 1-Nanopathology, Pan Stanford Pub. Singapore 2008,

2- Case Studies in Nanotoxicology and Particle Toxicology, Elsevier, USA 2015, 1-250. And some chapters in books.

A selection of recent articles is proposed.

- 1 Antonietta M. Gatti, Stefano Montanari Case Studies in Nanotoxicology and Particle Toxicology, Elsevier (USA) (ISBN: 978-0-12-801215-4).1-06-2015.
- 2 Roncati L¹, Gatti AM², Pusiol T³, Barbolini G¹, Maiorana A¹. Acquired immunodeficiency similar to Gulf War illness in a dead former serviceman. J R Army Med Corps. 2015 Jun;161(2):153-5.
- Roncati L¹, Gatti AM, Capitani F, Barbolini G, Maiorana A, Palmieri B Heavy Metal Bioaccumulation in an Atypical Primitive Neuroectodermal Tumor of the Abdominal Wall. Ultrastruct Pathol. 2015 Aug;39(4):286-92.
- Antonietta M. Gatti, Stefano Montanari and Ashok Vaseashta Nanopathology— Risk Assessment of Mysterious Cryptogenic Diseases . in LCA of Nanoparticles -Risk, Assessment, and Sustainability edited by A. Vasehasta, 2015; Cap.6. Pg. 143 -172,
- G. L. Sighinolfi¹, E. Artoni², A. M. Gatti³ and L. Corsi¹, Carcinogenic potential of metal nanoparticles in BALB/3T3 cell transformation assay, Environmental Toxicology published 30 OCT 2014-
- A.Gatti, New constituents and particle sizes herald new health dangers from pollution, Nano magazine n. 29 July 1-3, 2014.
- 7 A. Gatti Archeologia: una disciplina affascinante e polverosa? Archeomedia Anno 9, 4 luglio 2014
- 8 A. Gatti, S. Montanari Nanopathology: The Nano-bio-interaction of Nanoparticles Inside the Human Body , M. Lungu et al. (eds.), Nanoparticles' Promises and Risks, Springer International Publishing Switzerland 2014, PartII-5 5,70-84
- A. Gatti, S. Montanari Identification of nanoparticles in organic matrices M. Lungu et al. (eds.), Nanoparticles' Promises and Risks, Springer International

Publishing Switzerland 2014 Part III-10, 213-220.

- L.Vittori Antisari, S. Carbone, A.Gatti, G. Vianello, P Nannipieri. Uptake and translocation of metals and nutrients in tomato grown in soil polluted with metal oxides- (CeO2, Fe3O4, SnO2, TiO2) or metallic- (Ag, Co, Ni) engineered nanoparticles, Environmental Science and Pollution Research (Springer)2014, 6 Settembre, 1-14. f (DOI 10.1007/s11356-014-3509-0))
- A.M. Gatti Nanomedicine and Nanopathology: Two Opposite Aspects of Nanotechnologies. Editorial Article, Journal of Nanomedicine Research 2014; I (2), 2-3
- Livia Vittori Antisari & Vito Armando Laudicina & Antonietta Gatti & Serena Carbone & Luigi Badalucco & Gilmo Vianello. Soil microbial biomass carbon and fatty acid composition of earthworm Lumbricus rubellus after exposure to engineered nanoparticles, Biol Fertil Soils 2014: Springer http://link.springer.com/article/10.1007/s00374-014-0972-1#page-1
- Chiara Gambardella, Maria G. Aluigi, Paola Ramoino, Alberto Diaspro*, Paolo Bianchini*, Antonietta M. Gatti**, Marino Rottigni, Grazia Tagliafierro, Carla Falugi, Developmental abnormalities and cholinesterase activity alteration in sea urchin embryos and larvae obtained from sperms exposed to engineered nanoparticles Aquatic Toxicology 130–131 (2013) 77–85
- Verstraelen, Sandra, Remy, Sylvie; Casals, Eudald; De Boever, Hilda Witters, Gatti, Antonietta; Puntes, Victor; Nelissen, Inge; "Gene expression profiles reveal distinct immunological responses of cobalt and cerium dioxide nanoparticles in two in vitro lung epithelial cell models" Toxicology Letters 2014,
 - S. Cattini, AM Gatti "In-vivo Diffuse Correlation Spectroscopy Investigation of the Ocular Fundus". Journal of Biomedical Optics 18(5), May 2013, pag.057001-(1-14).
- A.Gatti, S. Montanari. The Quirra Syndrome: matter of Translational Medicine, in Advanced Sensors fgor Safety and security Ed. By A.Vaseashta, S. Khudaverdyan, NATO Meeting in YEREVAN 2012, The NATO Science forPeace and Security programme: Series B:Physics and Biophysics, . Springer (ISBN978-94-007-7002-7), Dordrecht, Germany 2013, Cap. 4, 55-64.
- Livia Vittori Antisari, Serena Carbone, Antonietta Gatti, Gilmo Vianello, Paolo Nannipieri, Toxicity of metal oxide (CeO2, Fe3O4, SnO2) engineered nanoparticles on soil microbial biomass and their distribution in soil, Soil Biology and Biochemistry 2013, 60:87–94,
- Maider Olasagastia, Antonietta M. Gattib,c, Federico Capitanic,Alejandro Barrancoa, Miguel Angel Pardoa, Kepa Escuredoa,and Sandra Rainieri. Toxic effects of colloidal nanosilver in zebrafish embryos . Journal of Applied Toxicology 2014. wileyonlinelibrary.com/journal/jat, DOI 10.1002/jat.2975
 - Chiara Gambardella, Carla Falugi, Antonietta M. Gatti, Marco Feimali, Lorenzo Gallus "Toxicity and transfer of metal oxide nanoparticles from microalgae to sea urchin larvae" Special Issue di "Environment Toxicology and Water Quality". 2013 Chemistry and Ecology 16 January 2014; p 1-9, http://www.tandfonline.com/doi/abs/10.1080/02757540.2013.873031#.UtlIbh AuK00
- Chiara Gambardella, Maria G. Aluigi^a, Sara Ferrando^a, Lorenzo Gallus^a, Paola Ramoino^a, Antonietta M. Gatti^b, Marino Rottigni^a, Carla Falugi^a, Developmental abnormalities and changes in cholinesterase activity in sea urchin embryos and larvae from sperm exposed to engineered nanoparticles. Aquatic Toxicology Volumes 130–131, 15 April 2013, Pages 77–85.
 - Marzhan Myrzakhanova, Chiara Gambardella, Carla Falugi, Antonietta M. Gatti,

Grazia Tagliafierro, Paola Ramoino, Paolo Bianchini and Alberto Diaspro "Effects of nanosilver exposure on cholinesterase activities, CD41 and CDF/LIF-like expression in zebra fish (Danio rerio) larvae.," Hindawi Publishing Corporation, BioMed Research International, Volume 2013 (2013), Article ID 205183, 12 pages

Tommaso Iannitti, Stefania Capone, Antonietta Gatti, et al, Intracellular heavy metal nanoparticle storage: progressive accumulation within lymph nodes with transformation from chronic inflammation to malignancy, International Journal of Nanomedicine November 2010, V 5 Pages 955 – 960

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