

PERSONAL INFORMATION Luciana Dini**PRESENT POSITION**

Full Professor of Comparative Anatomy and Cytology, Department of Biology and Biotechnology Charles Darwin- University of Rome Sapienza; piazzale Aldo Moro 5 00185 Rome (Italy)

Professor of Cell Biology; Biomarker for the environmental assessment

Orcid: 0000-0002-2633-9040 Scopus ID: 7006426287

WORK EXPERIENCE

Occupation or position held	<p>Member of the PhD School in Biology and Biotechnology University of Salento</p> <p>Director of the Master I level of the University of Salento "DATA MANAGER IN ONCOLOGY: expert in the design and management of a clinical study".</p> <p>Responsible for the Socrates/ Erasmus/LLP program for the Faculty of Science of University of Salento.</p>
From 2018 to now	<p>Full Professor of Comparative Anatomy and Cytology SSD 05/B2 , Department of Biology and Biotechnology Charles Darwin- University of Rome Sapienza; piazzale Aldo Moro 5 00185 Rome (Italy).</p>
From 2000 to 2018	<p>Full Professor of Comparative Anatomy and Cytology SSD 05/B2 , Disteba- University of Salento; prov.le Lecce-Monteroni, 73100 Lecce (Italy)</p>
From 2017 to 2018	<p>Component of the Senato Accademico- University of salento</p>
From 1992 to 2000	<p>Associate professor of Comparative Anatomy and Cytology SSD BIO/06 , Disteba- University of Salento; prov.le Lecce-Monteroni, 73100 Lecce (Italy)</p>
From 1984 to 1992	<p>Researcher Comparative Anatomy and Cytology SSD BIO/06, University of Tor Vergata, Roma</p>
From 1992 to now	<p>Head of the laboratory of Comparative Anatomy and Cytology. Scientific responsible the researches projects</p> <p>Member of the PhD School in Biology and Biotechnology University of Salento</p>
From 2004 to 2014	<p>Director of the Master I level of the University of Salento "DATA MANAGER IN ONCOLOGY: expert in the design and management of a clinical study"</p>
From 2000 to 2001	<p>Director of the Master Electron Microscopy: a tool for industrial quality and environment monitoring. Univeristy of Lecce</p>
From 1993 to now	<p>Responsible for the Socrates/ Erasmus/LLP program for the Faculty of Science</p>
Teaching experience	<ul style="list-style-type: none"> -Academic courses in the Academic degree of Biological Science, of Biotechnology, of Environmental science and Technology for the conservation and restoration of cultural heritage, Masters. - PhD School in Cellular and Molecular Biology University of L'Aquila - PhD School in Biology and Biotechnology University of Lecce -Master on: Electron Microscopy: a tool for industrial quality and environmental monitoring. ISUFI- University of Lecce 200/2001 - Master I level: Data manager in oncology: expert in the design and management of a clinical study" Università del Salento from 2007- now - "Seminar regarding pathobiology of the endothelial hepatic cells" (17/18 September 1992, Bilbao, Spain) - Course: "Ultrastructural Biology and Pathology" (Bologna, November 1994) - Course of specialization in Methods and Fundamentals of Science (Lecce 1995) - VI Week of the Scientific Culture (Lecce 1996) - Course in "Proliferation and cell death" (Genova 1996) for the Biotechnology and sperimental Oncology school

- Course: "Hepatology I: cellular Biology and Histology" (1996 Bilbao, Spagna)
- Project Micros: course for the preparation of technicians for Electron Microscopy Consorzio Carso (Bari 2000)
- Course of specialization in the oncologic research Consorzio Carso (Bari 2001)
- Course: Apoptosis in medicine (Milano 2002)
- 1st Meeting of the scientific culture and development of the territory (Ostuni 2011)

She hosted many bachelor students, PhD students from all over the world, with a particular attention to the third world countries (Nigeria, Palestina, Iran, Algeria) besides Turkey, Romania, Poland
 Ongoing collaboration with Armenia, Arzebajan, Iran, Egypt, Singapore, Pakistan
 Collaboration with Kazakhstan and Sri Lanka are in progress

EDUCATION AND TRAINING

- 2005 **Degree ad honorem in Medicine**
 Medical state University of Yerevan (Armenia)
- 1977 **Degree in Biological Sciences cum laude**
 University of Sapienza, Rome, Italy

SCIENTIFIC SKILLS

Research Topics

NANOSCIENCE AND NANOTECHNOLOGY

Characterization of nanomaterials. Nanoparticles and their interaction with biological system. Safety of nanoparticles and nanomaterials in cells, tissues and organisms. Nanotoxicology issues regarding engineered nanoparticles. Biomedical application of engineered nanoparticles. Study design affect assessment of nanomaterials in agri/food/ products. Assesment of nanoprodut based food on animal health (including humans) and environmental impact.

CELL DIFFERENTIATION and CELL DEATH

Study of the liver development and postnatal differentiation. Phagocytosis of differentiation liver macrophages. Study of the Apoptosis, Necrosis, Autophagy process

CELL COMUNICATION: microvescicles and exosomes

Study of the endocytotic mechanisms and cell signaling through vescicles release.

Technical expertises

Cytology, cell biology, histology and developmental biology techniques. Light and Confocal Microscopy, Electron microscopy (TEM, cryo TEM, SEM, STEM) and related techniques (EDX, diffracton). Primary and secondary cell cultures: preparation of cell samples for fluorimetry and flow cytometry analysis. Cell isolation from parenchymal tissues and stem cells from limbal tissue. Histological sections preparation (fixation, dehydration and inclusion, microtome and cryomicrotome sectioning, stainings) and observation. Preparation of cellular and histological samples for the conventional optical microscope, fluorescence and confocal microscope and relative observation. Preparation cellular and histological samples for scanning and transmission electron microscopy and relative observation.
 Immunocytochemistry: direct and indirect immunolocalisation. Protein extraction and spectrophotometric assay, SDS-page, western blotting, nitrocellulose membrane staining, densitometric analysis. Extraction of DNA, agarose gel electrophoresis. Quantitative analysis of proteins by ELISA tests. Light (conventional, fluorescence, confocal), and electron microscopy skills

PERSONAL SKILLS

Mother tongue(s) italian

Other language(s)

English	C1	C2	C1	C1	C1
Spanish	B1	B1	B1	B1	A2
German	A1	A2	A1	A1	A1



Curriculum Vitae

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills Good ability to adapt in multidisciplinary environments, gained through my working experience in academic environments dominated by interdisciplinary composed team.
 Living and working with other people, in multicultural environments (Period of work in Germany, Dusseldorf, the United States, Boulder, Colorado, Spain, Bilbao, Poland, Gdansk, competitive sports activities)
 Good communication skills gained through experience in teaching at different academic levels, from courses of I level to doctorate

Organisational / managerial skills Leadership of research team, founder of a spinoff company (Alice biosources srl)
 Coordination of the laboratory of comparative anatomy and cytology, laboratory of electron microscopy, services for teaching departmental of regional interest projects coordination (por, pon), national (prin), international 8ue, bilateral)
 Organization of many national and international congresses and, workshop
 Organization of national and international theoretical and practical schools
 Good experience in project or team management

Job-related skills Good attitude to manage interdisciplinary projects
 Capability to drive exploitable research results in biomedicine transfer
 Teaching

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient	Proficient	Proficient	Indipendent	Indipendent

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

- good command of office suite (word processor, spread sheet, presentation software)
- good command of photo editing software

Other skills ▪ competitive swimmer: Italian champion and member NATIONAL WOMEN'S TEAM
 ▪ sommelier

Licence driving licence B

ADDITIONAL INFORMATION

- Publications
- Presentations
- Projects
- Conferences
- Seminars
- Honours and awards
- Memberships
- References
- Citations

Patents: MI2011A001045 process for ozonation of a vegetable oil
 BA2013A000010 Composition for cosmetic use comprising olive pomace

Referee for several peer-reviewed scientific journals about nanomaterials

Author of diverse teaching boos, of which "Tecniche microscopiche per lo studio degli alimenti" - Manni Ed. (2003)

Professional awards:

- 1984 C.N.R.-N.A.T.O. grant as Visiting Research Associate at the Institute of Biophysics and Electron

**Courses
Certifications**

- Microscopy, University of Duesseldorf, Germany
- 1986 C.N.R.-N.A.T.O. grant as Visiting Research Associate in the same laboratory
 - 1987 Award under the auspices of the " Società Nazionale di Scienze Lettere ed Arti" in Napoli as best work in the field of Cellular Biology.
 - 1988 C.N.R.-N.A.T.O. grant as Visiting Research Associate in the same laboratory
 - 1990 C.N.R.-N.A.T.O. grant as Visiting Research Associate in the Laboratory of the High Voltage Electron Microscopy, University of Colorado, Boulder, U.S.A.
 - 1992 and 1996 Visiting Professor University of Bilbao, Basque Country
 - 2003 and 2005: Gold medals from the University of Yerevan (Armenia)
 - 2005 Laurea ad honorem in Medicine from the Medical state University of Yerevan (Armenia)

She has been cited as outstanding research in the following books:

- “Who’sWho in Science and Engineering” 2003-now
- “2000 outstanding scientists of the 21st century”

Conferences and Seminars:

Over 300 oral and poster presentation in national and international Conferences, among them
-several GORDON RESEARCH CONFERENCE. Clearance of dying cells by phagocytes: mechanisms and consequences Connecticut college USA August 2003-07

Organization of International Conference, theoretical-practical schools, thematic courses:

- Theoretical-practical course: Electron microscopy applied at the biology (Roma 1991)
- Workshop: Electron immunomicroscopy (Roma 1994)
- International Conference: Cell Death in Human Pathology (Lecce 1995)
- Workshop: Relazione tra struttura e funzioni nel nucleo della cellula (Lecce 1996)
- 2nd Practical Workshop on Apoptosis ESH/ECDO: Relation between Biochemical and Morphological Events (Lecce 1998)
- Workshop: The apoptosis from the biology to the clinical medicine (Lecce 1998)
- Theoretical-practical school on scanning electron microscopy (Lecce 1998)
- Corso: Controlli ambientali: fibre di amianto (Lecce 1999)
- Corso Teorico pratico per lo studio dell’apoptosi: tecniche citochimiche, immunocitochimiche e morfometriche (Lecce 1999)
- 3th Practical Intensive Workshop on 3D Confocal Microscopy” (Lecce 2001)
- 5th Multinational congress on Electron Microscopy (Lecce 2001)
- 52nd Convegno GEI (Gruppo embriologico italiano) (Otranto June 2006)
- 15th Eurasia conference (Rome September 2028)

Member of Professional Societies:

- S.I.M.E. (Italian society of electron microscopy)
- A.B.C.D. (Association of Cellular and Developmental Biology)
- G.E.I. (Embriological Italian Group)
- ECDO (European Cell Death Organization)
- SIN (Italian society of nanotoxicology)

1994-1996 Board of the S.I.M.E. (Italian Society of Electron Microscope)

2000/2001 Vicepresident of S.I.M.E.

2003/ now board of G.E.I. (Embriological Italian Group)

Nanoltaly

Professional Advices:

- 1996- 1999 Responsible Director of S.I.M.E. Bulletin
- 2001- 2010 Special Adviser “White Helmet Europe Foundation
- 2011- now Editorial board of Journal of Cellular and Molecular in Medicine
- Referee of national and international scientific journals
- Review of European projects and national projects (Italy, Russia, Belgium, Iran)
- Referee of Cineca for different types of project, included the VQR 2004-2010
- Patent MI2011A001045: innovative process for the production of Ozonized Olive Oil
- Patent deposited: production of cosmetic based on olive residues
- Spin off: Alice biosources s.r.l.

Reviewing activities

Reviewer of about 20 papers/year for many leading international peer-reviewed journals

Reviewer of Project of Relevant National Interst (PRIN) funded by MIUR (Italian Ministry of Education, University and Research)

Reviewer of the research projects funded by International Organizations and Foreignn Countries

International Reviewer of PhD and Tenure Track Professors

ANNEX 1

List of publications (H index 34, Scopus, 33 WoS)

- 1) L.Conti Devirgiliis, S.Stefanini, **L.Dini**, B.Barcaioli; Surface glycoproteins in the regenerating corneal epithelium of *Triturus cristatus*. **Acta Embryol exp** 1, 131-141 (1978).
- 2) F.Autori, A.Ciofi-Luzzatto, L.Conti Devirgiliis, **L.Dini**, S.Leoni, S.Spagnuolo, S.Stefanini. Isolation of rat hepatocytes: description of a simple method and analysis of the criteria employed in the evaluation of cell integrity. **Riv. Biol.**LXXII 3/4 329-360 (1979).
- 3) L.Conti Devirgiliis **L.Dini**. Anionic binding sites on rat hepatocyte surface during embryonic development: preliminary report. **Acta Embryol Morphol exp** n s 1 73-82 (1980).
- 4) L. Conti Devirgiliis, **L.Dini**, S.Stefanini, F.Autuori Cytoskeletal control of Concanavalin A receptor mobility in isolated rat hepatocytes. **Cell Mol Biol** 26, 533-540 (1980).
- 5) L. Conti Devirgiliis, **L.Dini**, S.Leoni, S.Spagnuolo, S.Stefanini. Distribution of Concanavalin A receptors on the cell surface of isolated hepatocytes from regenerating liver). **Cell Mol Biol** 26, 525-531 (1980).
- 6) L.Conti Devirgiliis, **L.Dini**, A.DiPierro, S.Leoni, S.Spagnuolo S.Stefanini. An improved non perfusion method for the isolation and purification of rat foetal and neonatal hepatocytes. **Cell Mol Biol** 27, 687-694 (1981).
- 7) F.Autuori, P.Baldini, A.Ciofi-Luzzatto, L.Conti Devirgiliis, **L.Dini** S.Incerpi. Insulin binding and internalization in rat hepatocytes during prenatal and postnatal life. **Biochim Biophys Acta** 678, 1-6 (1981).
- 8) I.Mavelli, F.Autuori, **L.Dini**, A.Spinedi, M.R.Ciriolo G.Rotilio. Correlation between Superoxide dismutase, glutathione peroxidase and catalase in isolated rat hepatocytes during fetal development. **Biochem Biophys Res Comm** 102, 911-916 (1981).
- 9) F.Autuori, E.Capucci, L.Conti Devirgiliis, C. Digiaco, **L.Dini**, G.Marinucci. Isolated rat hepatocytes as a tool for the determination of antibodies against human liver cell membrane. **Biomedicine and Pharmacotherapy** 37,458-461 (1983).
- 10) S.Leoni, L.Conti Devirgiliis, **L.Dini**, M.T.Mangiantini, S.Spagnuolo, A.Trentalance. Mechanism of rapid modulation of HMGCoA reductase in isolated hepatocytes during fetal and poerinatal life. **J Lipid Res** 24,1409 (1983).
- 11) S.Leoni, S. Spagnuolo, L.Conti Devirgiliis, **L.Dini**, A.Trentalance. Cholesterogenesis and related enzymes in rat isolated hepatocytes during pre and postnatal life. **J. Cell. Physiol.** 118, 62-66 (1984).
- 12) L.Conti Devirgiliis, **L.Dini** e S.Russo-Caia. Electron microscopic evidence for the presence of an asialoglycoprotein receptor on isolated fetal rat hepatocyte surface. **J. Embryol exp Morphol** 79, 4 1 -54 (1984).
- 13) Dini L, Conti Devirgiliis L, Russo-Caia S.Ontogeny of the asialoglycoprotein receptors.Boll Soc Ital Biol Sper. 1984 60 Suppl 4:119-22.
- 14) S.Leoni, L.Conti Devirgiliis, S.Spagnuolo, **L. Dini**. The effect of insulin and glucagon on glycogen storage and aminoacid uptake in isolated rat hepatocytes during development. **IRCS medical science** 12, 702-703 (1984).
- 15) S.Leoni, S.Spagnuolo, L.Conti Devirgiliis, **L.Dini**, M.T.Mangiantini, A.Trentalance. Hormonal control of cholesterogenesis and related enzymes in isolated rat hepatocytes during pre and postnatal development. **J. Cell Physiol** 125, 507-51 1 (1985).
- 16) S. Russo-Caia, L.Conti Devirgiliis, **L. Dini**. Galactose-binding receptor on rat liver cells during development. **Acta Embryol. Morphol. Exper.** n. s 6, 281-283 (1985).
- 17) S.Leoni, S.Spagnuolo, **L. Dini**, L.Conti Devirgiliis. Regulation of aminoacid transport in isolated rat hepatocytes during development. **J Cell Physiol** 130,103-110 (1987).
- 18) **L.Dini**, L.Conti Devirgiliis, S.Russo-Caia. The galactose-specific receptor system in rat liver during development.**Development** 100, 13-22 (1987).
- 19) **L.Dini**, V.Kolb-Bachofen. Quantification and localization of galactose-specific binding sites in rat liver during postnatal development. **Europ J Cell Biol** 44, 144-150 (1987).
- 20) P.Baldini, L.Conti Devirgiliis, **L.Dini**, S.Incerpi, P.Luly. Some features of age related insulin responsiveness in rat hepatocytes. **Mech ageing develop** 42, 17-25 (1988).
- 21) S.Leoni, S.Spagnuolo, **L.Dini**, M.Massimi, L.Conti Devirgiliis. Regulation of amino acid transport in isolated rat hepatocytes during aging. **Mech. ageing Develop.** 46, 19-27, (1988).
- 22) **L.Dini**, R.Vinzani, L.Conti Devirgiliis.Pregnancy-related changes of galactose recognition system on sinusoidal rat liver cells. **Cell. and Mol. Biol.** 35 (6), 603-610, (1989).
- 23) G.Bruscalupi, **L.Dini**, A.Trentalance. High density lipoproteins during rat liver regeneration. **Cell. Mol. Biol.** 35 (1), 47-54, (1989).
- 24) **L.Dini**, G.Rotilio.Electron microscopic evidence for endocytosis of superoxide dismutase by hepatocytes using protein-gold adducts.**Biochem. Biophysic. Res. Commun.** 162, 940-944, (1989).
- 25) **L.Dini**, L.Conti Devirgiliis.Age-related changes in the galactose recognition system in rat liver cells. **Mech. Ageing Develop.** 50, 57-69, (1989).

- 26) L.Conti Devirgiliis, G.Bruscalupi, **L.Dini**. Modulation of asialoglycoprotein binding activity in livers of pregnant or estrogen-treated rats. **Bioscience Reports** 9, 701-707, (1989).
- 27) **L.Dini**, V.Kolb-Bachofen. Preclustered receptor arrangement is a prerequisite for galactose-specific clearance of large particulate ligands in rat liver. **Exp. Cell Res.** 184, 235-240, (1989).
- 28) Mossa G, Annesini MC, Di Giulio A, **Dini L**, Finazzi-Agrò A. Liposomes as bioreactors: transport phenomena in proteoliposomes. **Prog Clin Biol Res.** 1989;292:227-36.
- 29) G.Mossa, A.DiGiulio, **L.Dini**, A. Finazzi-Agrò. Interaction of dipalmitoylphosphatidyl choline vesicles with ascorbate oxidase. **Biochem. Biophys. Acta** 986, 310-314, (1989).
- 30) **L.Dini**, P.Mattioli. Carbohydrate recognition systems in avian sinusoidal liver cells. **Bioscience Reports** 10, 37-46, (1990).
- 31) **L.Dini**, G.Bruscalupi, P. De Cicco, R. Massoud. Measurement of asialoglycoprotein in rat serum during development and pregnancy. **Clin. Chem. Enzym. Comms.** 2, 183-188, (1990).
- 32) **L.Dini**, M. Carbonaro, G. Musci, L. Calabrese. The Interaction of ceruplasmin with Kupffer cells. **Europ. J. Cell. Biol.** 52, 207-212, (1990).
- 33) **L.Dini**, A.Lentini, L.Conti Devirgiliis. Binding and uptake of ligands for mannose-specific receptors in liver cells: an electron microscopic study during development and aging in rat. **Mech. Ageing Develop.** 55, 117-128, (1990).
- 34) **L.Dini**, A. Di Giulio, A.Pavan, G.Ravagnan, G.Mossa. Size and stability of dipalmitoyl phosphatidylcholine/cholesterol unilamellar vesicles are affected by interaction with proteins. **Biochim. Biophys. Acta** 1062, 108-112, (1991).
- 35) M. Piacentini, F. Autuori, **L.Dini**, M.G. Farrace, L.Ghibelli, L.Piredda, L.Fesus. "Tissue" transglutaminase is specifically expressed in neonatal rat liver cells undergoing apoptosis upon epidermal growth factor- stimulation. **Cell Tissue Res.** 263, 227-235, (1991).
- 36) **L.Dini**. Ultrastructural analysis of asialoglycoprotein receptor mediated endocytosis in cultured newborn hepatocytes. **Cell. Mol. Biol.** 37, 2, (1991).
- 37) **L.Dini**, P.Mattioli, F.Autuori. Galactose specific receptor expression on rat Kupffer cells during chemical hepatocarcinogenesis. **Clin. Chem. Enzym. Comms.** 4, 91-99, (1991).
- 38) **L.Dini**, E.Agostinelli, B.Mondoví. Cultured hepatocytes bind and internalize bovine serum amine oxidase-gold complexes. **Biochim. Biophys. Acta** 179, 1169-1174, (1991).
- 39) L.Falasca, P.Mattioli, **L.Dini**. Chick Hepatic Lectins: An Electron Microscopic Study on Isolated Hepatocytes During Development. **Bioscience Rep.** 11 (5), 257-264, (1991).
- 40) **L.Dini**, A. Lentini, G. Mantile, M.Massimi, L. Conti Devirgiliis. Receptor-mediated endocytosis of galactose and mannose exposing ligands: an electron microscopic study on adult and neonatal cultured rat hepatocytes. **Biol. Cell** 74, 217-224, (1992).
- 41) **L.Dini**, F.Autuori, A.Lentini, S.Oliverio, M. Piacentini. The clearance of apoptotic cells in the liver is mediated by the asialoglycoprotein receptor. **FEBS** 296 (2), 174-178, (1992).
- 42) M.Piacentini, M.P. Cerú, **L.Dini**, M. Di Rao, L. Piredda, V. Thomazy, P.J.A. Davies, L. Fesus. *In vivo* and *in vitro* induction of "tissue" transglutaminase in rat hepatocytes by retinoic acid and its effect on apoptosis. **Biochim. Biophys. Acta** 1135, 171-179, (1992).
- 43) P.M. Baldini, **L.Dini**, P. Luly. Insulin effects on phospholipid and diacylglycerol fatty acid composition in rat hepatocytes. **Biochim. Biophys. Acta** 1137, 208-214, (1992).
- 44) L.Falasca, A.Lentini, **L.Dini**. Receptor mediated endocytosis of N-acetylglucosamine and mannose exposing molecules by cultured chick embryo hepatocytes. **Cell. Mol. Biol.** 38 (6), 621-627, (1992).
- 45) M.Maccarrone, **L.Dini**, L.Di Marzio, A. DiGiulio, A. Rossi, G.Mossa, A. Finazzi-Agró. Interaction of DNA with cationic liposomes: ability of transfecting lentil protoplasts. **Biochem. Biophys. Res. Commun.** 186 (3), 1417-1422, (1992).
- 46) A.Lentini, L.Falasca, F.Autuori, **L.Dini**. The simultaneous exposition of galactose and mannose-specific receptors on rat liver macrophages is developmentally regulated. **Bioscience Rep.** 12 (6), 453-461, (1992).
- 47) **L.Dini**, A.Lentini, M.Massimi, P.Mattioli, L.Conti Devirgiliis. Modulation of the expression of galactose-specific receptors on Kupffer cells after partial hepatectomy and zymosan stimulation. **Liver** 13, 25-30 (1993).
- 48) **L.Dini**, P.Creti', A.DiGiulio, L.DiMarzo, L.Falasca, A.Lentini, G.Mossa, A.Finazzi-Agrò. Liposome internalization by isolated rat hepatocytes. **Journal of Liposome Research.** 3 (3), 649-661, (1993).
- 49) A.DiGiulio, G.D'Andrea, M.A.Saletti, **L.Dini**, A.Lentini, A.M.D'Alessandro, O. Arduino. Liposome reconstitution of native or reduced and alkylated transferrin receptor. **Journal of Liposome Research.** 3 (3), 679-685, (1993).
- 50) A.Nardi, P.Fileccia, **L.Dini**, G.Melino, D.Guarnieri. Industrial production and control of two liposome gels: size, size distribution and stability. **Journal of Liposome Research**, 3 (3), 535-541, (1993)
- 51) **L.Dini**, L.Falasca, A.Lentini, P.Mattioli, M.Piacentini, L.Piredda, F.Autuori. Galactose-specific receptor modulation related to the onset of apoptosis in rat liver. **Europ. J Cell. Biol.** 61, 329-337, (1993).
- 52) A.Bergamini, M.Capozzi, L.Ghibelli, **L.Dini**, A.Salanitro, G.Milanese, T.Wagner, S.Beninati, C.D.Pesce, C.Amici, G.Rocchi. Cystamine Potently Suppresses *In Vitro* HIV Replication in Acutely and Chronically Infected Human Cells. **J. Clin. Invest** 93, 5521-5527, (1994).

- 53) A. Bergamini, C.F. Perno, **L. Dini**, M. Capozzi, C. Delfina Pesce, L. Ventura, L. Cappannoli, L. Falasca, G. Milanese, R. Calio, G. Rocchi. Macrophage colony-stimulating factor enhances the susceptibility of macrophages to infection by human immunodeficiency virus and reduces the activity of compounds that inhibit virus binding. **Blood**, Vol. 84, No. 10, 001-008, (1994).
- 54) Conti Devirgiliis L, Massimi M, Bruscalupi G, Felici A, **Dini L**. Regulation of asialoglycoprotein receptor expression in rat hepatocytes cultured under proliferative conditions. **Exp Cell Res**. 210(1):123-9 (1994).
- 55) L. Fiorucci, F. Erba, L. Falasca, **L. Dini**, F. Ascoli. Localization and interaction of bovine pancreatic trypsin inhibitor and trypsin into the granules of bovine mast cells. **Biochim. Biophys. Acta**, 1243, 407-413, (1995).
- 56) **L. Dini**, A. Lentini, G. Diez Diez, M. Rocha, L. Falasca, L. Serafino, F. Vidal-Vanaclocha. Phagocytosis of apoptotic bodies by liver endothelial cells. **J. of Cells Science** 108, 967-973, (1995).
- 57) A.T. Palamara, C.F. Perno, M.R. Ciriolo, **L. Dini**, E. Balestra, C. D'Agostini, P. Di Francesco, C. Favalli, G. Rotilio, E. Garaci. Evidence for antiviral activity of glutathione: in vitro inhibition of herpes simplex virus type 1 replication. **Antiviral research** 27, 237-253, (1995).
- 58) **L. Dini**. Riconoscimento e fagocitosi di cellule apoptotiche. **Microscopia Elettronica** 16, 69-81, (1995).
- 59) M. Massimini, C. Devirgiliis, V. Kolb-Bachofen, **L. Dini**. Independent Modulation of Galactose-Specific Receptor Expression in Rat Liver Cells. **Hepatology** Vol. 22, 1819-1828, (1995).
- 60) **L. Dini**, L. Rossi, A. Lentini, A. De Martino, G. Rotilio. Immunocytochemical study of binding and internalization of carrier-free Cu, Zn Superoxide dismutase by cultured rat hepatocytes. **Cellular and Molecular Biology** 41 (8), 1051-1059, (1995).
- 61) L. Ghibelli, C. Nosseri, S. Coppola, V. Maresca, **L. Dini**. The increase in H₂O₂-Induced apoptosis by ADP-ribosylation inhibitors is related to cell blebbing. **Exp. Cell Res** 221, 470-477, (1995).
- 62) **L. Dini**, M.T. Ruzittu, L. Falasca. Recognition and phagocytosis of apoptotic cells. **Scanning Microscopy International** Vol. 10 (1), 239-252, (1996).
- 63) **L. Dini**, S. Coppola, M.T. Ruzittu, L. Ghibelli. Multiple pathways for apoptotic nuclear fragmentation. **Exp. Cell Res**. 223, 340-347, (1996).
- 64) M. Massimi, L. Falasca, A. Felici, **L. Dini**, L. Conti Devirgiliis. Expression of the asialoglycoprotein receptor in cultured rat hepatocytes is modulated by cell density. **Bioscience Reports** Vol. 16 (6), 477-484, (1996).
- 65) A. Bergamini, **L. Dini**, M. Capozzi, L. Ghibelli, R. Placido, E. Faggioli, A. Salanitro, E. Buonanno, L. Cappannoli, L. Ventura, M. Cepparulo, L. Falasca, G. Rocchi. Human immunodeficiency virus-induced cell death in cytokine-treated macrophages can be prevented by compounds that inhibit late stages of viral replication. **The Journal of Infectious Diseases**, 173, 1367-78, (1996).
- 66) **L. Dini**, L. Falasca, L. Rossi, G. Rotilio. In vivo uptake of Cu, Zn Superoxide dismutase. Morphological evidence for preferential endocytosis and accumulation by sinusoidal liver cells. **Cellular and Molecular Biology** Vol. 42 (2), 269-277, (1996).
- 67) L. Falasca, A. Bergamini, A. Serafino, C. Balabaud, **L. Dini**. Human Kupffer cells recognition and phagocytosis of apoptotic peripheral blood lymphocytes. **Exp. Cell Res**. 224, 152-162, (1996).
- 68) **L. Dini**, L. Rossi, E. Marchese M.T. Ruzitti, G. Rotilio. Age-related in the binding and uptake of Cu, Zn superoxide dismutase in rat liver cells. **Mech. Ageing Develop.** 90, 21-33, (1996).
- 69) A.T. Palamara, C.F. Perno, S. Aquaro, M.C. Bué, **L. Dini**, E. Garaci. Glutathione inhibits HIV replication by acting at late stages of virus life cycle. **AIDS Research and Human Retroviruses**, 12(16):1537-41 (1996)
- 70) **L. Dini**. Asialoglycoprotein (ASGP) receptors induced by apoptosis their immunohistochemical localization in neonatal rat hepatocytes. **Biology Forum** 90, 423-426 (1997).
- 71) A. Bergamini, **L. Dini**, L. Baiocchi, L. Cappannoli, L. Falasca, F. Bolacchi, M. Capozzi, E. Faggioli, A. Nistri, A. Salanitro, L. Ventura, G. Rocchi, M. Angelico. Bile acids with differing hydrophilic-hydrophobic properties do not influence cytokine production by human monocytes and murine kupffer cells. **Hepatology** Vol. 25, 927-933, (1997).
- 72) S. Coppola, **L. Dini**, C. Fanelli, E. Bonanno, L. Ghibelli. Correlazione tra morfologia apoptotica e alterazione dei parametri biochimici. **Microscopia Elettronica** (1) 18, 127-130, (1997).
- 73) **L. Dini**, S. Coppola, M.T. Ruzittu, L. Ghibelli. Modificazioni morfologiche del nucleo in seguito a differenti stimoli apoptogenetici. **Microscopia Elettronica** (1) 18, 131-138, (1997).
- 74) **L. Dini**, E.C. Carlà. Hepatic sinusoidal endothelium heterogeneity with respect to the recognition of apoptotic cells. **Exp. Cell. Res.** 240, 388-393, (1998).
- 75) **L. Dini**, M.T. Ruzittu, E.C. Carlà, L. Falasca. Relationship between cellular shape and receptor-mediated endocytosis. An ultrastructural and morphometric study in rat Kupffer cells. **Liver** 18, 99-109, (1998).
- 76) **L. Dini**, L. Falasca, M.T. Ruzittu, G. Mossa, A. Finazzi-Agrò, A. Di Giulio. Interaction between isolated and purified liver cells and small unilamellar liposomes. **Liver** 18, 229-238, (1998).
- 77) **L. Dini**, E.C. Carlà, L. Falasca, M.T. Ruzittu. Ultrastructural modifications of rat liver cells induced by lead nitrate. **Ital. J. Zool.** 65, 141-148, (1998).
- 78) **L. Dini**. Ultramicrotomia "prospettive storiche" e conoscenze attuali per la microscopia elettronica di materiale biologico. **Microscopia Elettronica** 19 (1), 102-108, (1998).

- 79) **L.Dini**, E.C. Carlà, M. De Luca, Di Giulio. Interazione di piastrine umane con vescicole DPPC-colesterolo. **Microscopia Elettronica** 19 (2), 63-71, (1998).
- 80) **L.Dini**. Resine per microscopia ed immunocitochimica. **Microscopia Elettronica** 19 (2), 72-78, (1998).
- 81) M.T. Ruzittu, E. Bonanno, E.C. Carlà, **L.Dini**. Lead nitrate-induced cell death (apoptosis) in liver, kidney and spleen of rats. **Ital. J. Zool** 65, 355-360 (1998).
- 82) **L.Dini**. Endothelial liver cell recognition of apoptotic peripheral blood lymphocytes. **Biochem Soc Transact** 26, 635-639 (1998).
- 83) **Dini L**, Ruzittu M, Carlà EC, Falasca L. Relationship between cellular shape and receptor-mediated endocytosis: an ultrastructural and morphometric study in rat Kupffer cells. **Liver**. 1998 Apr;18(2):99-109.
- 84) **L.Dini**, A.M. Giudetti, M. Ruzittu, G.V. Gnoni, V. Zara. Citrate carrier and lipogenic enzyme activities in lead nitrate-induced proliferative and apoptotic phase in rat liver. **Biochem Mol Biol Intern** 1999;47, 607-614.
- 85) **L.Dini**, E.C. Carlà, M. De Luca, G. Faraldi, G. Tagliaferro. Phagocytosis of apoptotic cells liver recognition and molecular mechanisms. **Ital J Zool** 66, 317-322 (1999)
- 86) M. Ruzittu, E.C. Carlà, M.R. Montinari, G. Maietta, **L.Dini**. Modulation of cell surface expression of liver carbohydrate receptors during in vivo induction of apoptosis with lead nitrate. **Cell Tissue Res** 298, 105-112 (1999)
- 87) E. Cataldi, C. Barzaghi, P. Di Marco, C. Boggione, **L.Dini**, D. McKenzie, P. Bronzi, S. Cataudella. Some aspects of osmotic and ionic regulation in Adriatic sturgeon. I Ontogenesis of salinity tolerance. **J. Appl. Ichthyol.** 15 (1999) 57-60
- 88) **L. Dini**. Recognizing death: liver phagocytosis of apoptotic cells. **Eur. J. Histochem.** 44, 217-227 (2000)
- 89) E. Bonanno, M. Ruzittu, E.C. Carlà, M.R. Montinari, P. Pagliara, **L.Dini**. Cell shape and organelle modification in apoptotic U937 cells. **Eur. J. Histochem.** 44, 237-246 (2000)
- 90) L. Falasca, A. Felici, M. Massimi, **L.Dini**, L. Conti. Devirgillins. Retinoic acid modulates the asialoglycoprotein receptor expression in cultured fetal rat hepatocytes. **Mech. Ageing Dev.** 122, 31-9 (2001)
- 91) M. Marini, F. Frabetti, S. Canaider, **L.Dini**, E. Falcieri, G.C. Poirier. Modulation of caspase-3 activity by zinc ions and by the cell redox state. **Exp. Cell Res.** 266, 323-332 (2001)
- 92) E. Bonanno, M. Ruzittu, M.R. Montinari, E.C. Carlà, P. Pagliara, G. Mascetti, G. Tagliaferro, L.G. Spagnoli, **L.Dini**. Synchronized onset of nuclear and cell surface modifications in U937 cells during apoptosis. **Europ. J. Histochem.** 46, 61-74 (2001)
- 93) **L.Dini**, P. Pagliara, E.C. Carlà. Phagocytosis of apoptotic cells by liver: morphological study. **Microscopy Research and Technique** 57, 530-540 (2002)
- 94) D. Kanduc, A. Mittelman, R. Serpico, E. Sinigaglia, A.A. Sinha, C. Natale, R. Santacroce, M.G. Di Corcia, A. Lucchese, **L.Dini**, P. Pani, S. Santacroce, S. Simone, R. Bucci, E. Farber. Cell death: apoptosis versus necrosis (Review). **International J Oncology** 21, 165-170 (2002)
- 95) S. Massa, A.M. Milanese, E.C. Carlà, **L.Dini**. Soluble factors released by Kupffer cells are responsible for apoptosis of hepatocytes. **Microscopia Elettronica** 23(2)61-74 (2002)
- 96) P. Pagliara, A. Chionna, E. Panzarini, A. De Luca, S. Caforio, G. Serra, L. Abbro, **L.Dini**. Lymphocytes apoptosis: young versus aged and humans versus rats. **Tissue and Cell** 35(1) 29 – 36 (2003).
- 97) P. Mita, A. de Luca, L. Abbro, **L. Dini**. Ultrastructural analysis of apoptosis induced by apoptotic U937 cells conditioned medium. **It. J. Zoology** 70, 141-146 (2003)
- 98) P. Pagliara, A. Chionna, E.C. Carlà, S. Caforio and **L.Dini**. Lead-nitrate and gadolinium chloride administration modify hepatocyte cell surfaces. **Cell and Tissue Res.** 312, 41-48 (2003)
- 99) A. Chionna, E. Panzarini, P. Pagliara, A. De Luca, S. Caforio, L. Abbro, **L.Dini**. Hepatic clearance of Apoptotic lymphocytes: simply removal of waste cells? **Europ. J. Histochem.** 47, 97-104 (2003)
- 100) L. Abbro, **L. Dini**. Sinusoidal cell surfaces in livers metastasizing B16 melanoma cells. **Microscopia Elettronica** 24 (2) 51-55 (2003)
- 101) P. Pagliara, E.C. Carlà, S. Caforio, A. Chionna, S. Massa, L. Abbro, **L.Dini**. Kupffer cells promote lead nitrate induced hepatocyte apoptosis via oxidative stress. **Comp. Hepatology** 2: 8 (2003)
- 102) E.C. Carlà, P. Pagliara, S. Piraino, F. Boero, **L.Dini**. Morphological and ultrastructural analysis of *Turritopsis nutricula* during life cycle reversal. **Tissue and Cell** 35: 213-222 (2003) (2003)
- 103) A. Chionna, M. Dwikat, E. Panzarini, B. Tenuzzo, E.C. Carlà, T. Verri, P. Pagliara, L. Abbro and **L.Dini**. Cell shape and plasma membrane alterations after static magnetic fields exposure. **Europ. J. Histochem.** 47: 299-308 (2003)
- 104) **L. Dini**. Environmental stress and aging affect the recognition of apoptotic cells. **Europ. J. Histochem.** 47: 265-270 (2003)
- 105) L. Abbro, **L. Dini**. Common morphological features of apoptotic cell blebs. **It. J. Zoology** 70: 297-299 (2003)
- 106) L. Abbro, R. Lanubile, **L. Dini**. Anticancer drug resistance in drug-induced cell death of U937 cells. **It. J. Zoology** 71: 95-100 (2004)
- 107) L. Abbro, R. Lanubile, **L. Dini**. Ultrastructural study of apoptotic U937 cells treated with different pro-apoptotic substances. **Microscopy Research and Technique** 64: 77-85 (2004)
- 108) L. Abbro, **L. Dini**. Administration of cytoskeleton drugs during induction of apoptosis in U937 cells. **It. J. Zoology** 71: 297-303 (2004)
- 109) **L.Dini**, L. Abbro. Electromagnetic exposure: consequence on monocytes-macrophages differentiation and clearance of apoptotic lymphocytes. **National Academy of Sciences of Armenia** XLIV (4):50-55 (2004)

- 110) P. Ramires, E. Panzarini, M.A. Miccoli, **L. Dini**, C. Protopapa. In vitro and in vivo biocompatibility evaluation of a polyalkylimide hydrogel for soft tissue augmentation. **J. Biomedical material research** 72 B: 230-238 (2004)
- 111) Soldani C, Frascini A, Bottone MG, Croce AC, Pagliara P, Mita P, Bottioli G, **Dini L**, Pellicciari C. Rose bengal acetate as a fluorogenic photosensitizer: intracellular damage and apoptosis induction. **Journal of histochemistry & cytochemistry** 52 Suppl. 1, S30-S30 (2004)
- 112) Soldani C, Croce A, **Dini L**, et al. Photosensitizer subcellular location and apoptosis induction: A cytochemical study in Rose Bengal treated cells. **Lasers In Surgery And Medicine** Pages: 58-58 Supplement: Suppl. S16 Meeting Abstract: 188 (2004)
- 113) A. Chionna, B. Tenuzzo, E. Panzarini, M.B. Dwikat, L. Abbro, **L. Dini**. Time dependent modifications of Hep G2 cells during exposure to static magnetic fields. **Bioelectromagnetics** 26: 275-286(2005)
- 114) **L. Dini**. Apoptosis induction in DU-145 human prostate carcinoma cells. **Tissue and Cell** 37:379-384 (2005)
- 115) P. Pagliara, R. Lanubile, M.B. Dwikat, L. Abbro, **L. Dini**. Differentiation of monocytic U937 cells under static magnetic field exposure. **Eur. J. of Hystochem** 49: 75-86(2005)
- 116) L. Abbro, **L. Dini**. Acrylamide-induced U937 cell morphological modifications: a comparison between single treatment and coadministration with apoptotic inducing drugs. **It. J. Zoology** 72: 97-102(2005)
- 117) **L. Dini**, L. Abbro. Bioeffects of Moderate-Intensity static magnetic fields on cell cultures. **Micron**. 2005;36(3):195-217
- 118) **L. Dini**, P. Ramires, E. Panzarini, M.A. Miccoli, Carmelo Protopapa. Studio in vitro ed in vivo della biocompatibilità di alcuni idrogeli iniettabili ad uso medico. **Microscopie**: 31-35(2005)
- 119) P. Tarantino, R. Lanubile, G. Lacalandra, L. Abbro, **L. Dini**. Post-chronic whole-body exposure of rabbits to 650 MHz electromagnetic fields affects liver, spleen and brain. **Radiat. Environ. Biophys.** 44:51-59 (2005)
- 120) **L. Dini**, L. Abbro. Nuclear changes during apoptosis in young and aged lymphocytes from humans and rats. **It. J. Zoology** 72:277-283 (2005)
- 121) **L. Dini**, E. Panzarini, M.A. Miccoli, V. Miceli, C. Protopapa, P.A. Ramires. In vitro study of the interaction of polyalkylimide and polyvinyl alcohol with cells. **Tissue & Cell** 37: 479-487 (2005)
- 122) E. Panzarini, B. Tenuzzo, F. Palazzo, A. Chionna, **L. Dini**. Apoptosis induction and mitochondria alteration in human HeLa tumour cells by photoproducts of Rose Bengal Acetate. **J. Photochem. Photobiol. B.** 83: 39-47 (2006)
- 123) B. Tenuzzo, A. Chionna, E. Panzarini, R. Lanubile, P. Tarantino, B. Di Jeso, M. Dwikat, **L. Dini**. Effects of 6mT Static Magnetic Fields on induction of apoptosis: a comparative study in different cell types. **Bioelectromagnetics** 27:560-77 (2006)
- 124) O. B. Akinola, O.O. Dosunmu, **L. Dini**, Ajayi S. Proteinaceous diet inhibits Gossypol-Induced Spermatotoxicity. **Europ. J. Histochem.** 50 (3): 205-208 (2006)
- 125) **L. Dini**, L. Abbro. Ultrastructural apoptotic modifications of DU-145 Human Prostate Carcinoma Cells. **Journal of armenian**
- 126) L. Dini, R. Lanubile, P. Tarantino, A. Mandich, E. Cataldi. Expression of stress proteins 70 in Tilapia (*Oreochromis mossambicus*) during confinement and crowding stress. **It. J. Zoology** 73: 117-124 (2006)
- 127) B. Tenuzzo, L. Zatta, **L. Dini**. Phagocytosis of apoptotic cells during liver development. **Caryologia** 59 (4) 380-387 (2006)
- 128) E. Panzarini, P.A. Ramires, M.A. Miccoli, B. Tenuzzo, **L. Dini**. Differentiation of THP-1 and U937 cells in presence of synthetic hydrogels. **Caryologia** 59 (4) 395-402 (2006)
- 129) B. Tenuzzo, P. Pagliara, P. Tarantino, **L. Dini**. Morphology and cytochemistry of dissociated cells of Petrosia ficiformis (Porifera). **It. J. Zoology** 74(4) 331-340(2007)
- 130) B. Tenuzzo, M. Dwikat, **L. Dini**. Static magnetic field selects undifferentiated myelomonocytes from low-glutamine concentration stimulated U937 cells. **Tissue Cell**. 2008 Jun;40(3):177-84. Epub 2008 Jan 22.
- 131) **L. Dini**, B. Tenuzzo, M.A. Miccoli, V. Miceli, C. Protopapa, P.A. Ramires. Comparative study of the in vitro interaction of two fibroblast cell lines with a polyalkil-imide hydrogel. **J Biomed Mater Res B Appl Biomater**: 88(1):197-205 2009
- 132) B. Tenuzzo, C. Vergallo C, **L. Dini**. Effect of 6mT static magnetic field on the bcl-2, bax, p53 and hsp70 expression in freshly isolated and in vitro aged human lymphocytes. **Tissue Cell**. 41(3): 169-179 (2009)
- 133) I. Gibas, H. Janik, M. Strankowski, E. Panzarini, **L. Dini**. Poly(Alkylimide) and poly(vinyl alcohol) medical hydrogels – Testing with U937 Cell line. **Chemistry and Chemical Technology** 3 (4): 281 (2009)
- 134) Oluwole B. Akinola, L. Zatta, Olufunke O. Dosumu, Oluwafunmike S. Akinola, Akinlolu A. Adelaja, **L. Dini**, E.A. Caxton-Martins. Intestinal lesions of streptozotocin-induced diabetes and the effects of Azadirachta indica treatment. **Pharmacologyonline** 3: 872-881 (2009)
- 135) **L. Dini**, B. Tenuzzo, Dwikat M, E. Panzarini, Vergallo C, B. Tenuzzo. Morphofunctional Study of 12-O-tetradecanoyl-13-phorbol Acetate (TPA)-Induced Differentiation of U937 Cells Under Exposure to a 6 mT Static Magnetic Field. **Bioelectromagnetics** 30(5):352-364 (2009)
- 136) E. Panzarini, B. Tenuzzo, **L. Dini**. Photodynamic Therapy-Induced Apoptosis of HeLa cells. **Ann N.Y. Acad. Sci.** 1171:617-626 (2009).

- 137) Tommasi L., Negro C., Accogli R., Chionna A., **Dini L.**, De bellis L., Miceli A..Antioxidant activity and hepatoprotective properties of Buglissoides purpureocaerula (L.) Johnston extracts. **Italian Journal of Agronomy** 4. 507-512 (2009).
- 138) Vergallo C, Fonseca T, Pizzi G, **Dini L.**Lycopersicon esculentum lectin inis a marker of early transient amplifying cells (ETACs) in vitro cultures of isolated limbal stem cells. **Tissue Cell.** 42(4):259-65 (2010)
- 139) Oluwole B. Akinola, Ezekiel A. Caxcton-Martins, **L. Dini.** Chronic Treatment with Ethanolic Extract of the Leaves of *Azadirachta indica* Ameliorates Lesions of Pancreatic Islets in Streptozotocin Diabetes. **Int. J. Morphol.** 28 (1): 291-302 (2010)
- 140) **L. Dini**, V. Inguscio, B. Tenuzzo and E. Panzarini. Rose bengal acetate photodynamic therapy-induced autophagy. **Cancer Biology & Therapy** 10:10, 1-9 November 15 (2010)
- 141) **L. Dini**, E. Panzarini. The influence of a 6 mT static magnetic field on apoptotic cell phagocytosis depends on monocyte/macrophage differentiation. **Experimental Biology and Medicine**235: 12, 1432-1441 (2010)
- 142) Gibas I, Janik H, **Dini L.** Poly(epsilon-caprolactonediol) and polyethylene glycol-based polyurethanes for medical applications. **Przemysl Chemiczny**89(12):1622-1626 (2010)
- 143) Coluccia, AML, De Leo, S, de Luca, E, Reddicono, G, Palama, I, Redaelli, S, De Matteis, S, Gambacorti-Passerini, C, **Dini, L**, Maffia, M Deregulated Activity and Localization of Glycogen Synthase Kinase 3 beta In Chronic Myeloid Leukemia Progenitors: Role In Leukemia Maintenance and Targeted Therapy.**BLOOD** 116 (21): 521-521 (2010)
- 144) **Dini L.**Phagocytosis of dying cells: influence of smoking and static magnetic fields.**Apoptosis**Sep;15(9):1147-64. (2010)
- 145) Panzarini E., Inguscio V., **Dini L.**Timing the multiple cell death pathways initiated by Rose Bengal acetate photodynamic therapy .**Cell Death & Disease** 2:169 DOI: 10.1038/cddis.2011.51 (2011)
- 146) **Dini L.**, Panzarini E., Serra A., Buccolieri A., Manno D. Synthesis and in vitro cytotoxicity of glycans-capped silver nanoparticles. **Nanomaterial, Nanotechnology**Vol.1 N°1 58-63 (2011)
- 147) Akinola, OB, Zatta, L, Dosumu, OO, Akinola, OS, **Dini, L**, Caxton-Martins, EA Ameliorative Effects of Ethanolic Leaf Extract of *Azadirachta indica* on Renal Histologic Alterations in Streptozotocin-Induced Diabetic Rats. **American journal of chinese medicine** 39,5 903-916 (2011)
- 148) E. Panzarini, V. Inguscio, **L. Dini.** Overview of cell death mechanism induced by Rose Bengal Acetate-Photodynamic Therapy. **International Journal of Photoenergy** (2011) doi:10.1155/2011/713726
- 149) Tenuzzo B., Zaccarelli N., **Dini L.** The reproductive cycle of the commercial sea urchin *Paracentrotus lividus* in the Ionian sea.**Italian Journal Of Zoology**79(2): 200–211 (2012)
- 150) Coluccia, AML, De Leo, S, de Luca, E, Reddicono, G, Palama, I, Redaelli, S, De Matteis, S, Gambacorti-Passerini, C, **Dini, L**, Maffia, M. Targeting of GSK3beta promotes imatinib-mediated apoptosis in quiescent CD34+ chronicmyeloid leukemia progenitors preserving normal stem cells. **Blood** 119(10):2335-45. (2012)
- 151) G. Filomeni, I. Graziani, D. De Zio, **L. Dini**, D. Centonze, G. Rotilio. Neuroprotection of kaempferol by autophagy in models of rotenone-mediated acute toxicity: possible implications for Parkinson's disease. **Neurobiology of Aging** 33(4):767-85. (2012)
- 152) E. Carata, B. A. Tenuzzo, F. Arnò, A. Buccolieri, A Serra, D Manno, **L Dini.** Stress response induced by carbon nanoparticles in *Paracentrotus lividus*. **IJMCM** Winter, Vol 1, No 12012
- 153) Inguscio V, Panzarini E, **Dini L.** Autophagy contributes to the death/survival balance in cancer PhotoDynamic Therapy. **Cells-Special Issue Autophagy.** 1(3):464-491.(2012)
- 154) Manno D; Carata E; Tenuzzo B; Panzarini E; Buccolieri A; Filippo E; Rossi M; Serra A; **Dini L.** High ordered biomineralization induced by carbon nanoparticles in sea urchin *Paracentrotus lividus*. **Nanotechnology** 23 (2012) 495104 (9pp).
- 155) Panzarini E., Inguscio V., **Dini L.**Immunogenic cell death: can it be exploited in PhotoDynamic Therapy for cancer? **BioMed Research International** (Volume 2013) Article ID 482160, 18 pages
- 156) Carlotta Marianecchi, Federica Rinaldi, Luisa Di Marzio, Daniela Pozzi, Giulio Caracciolo, Daniela Manno, **Luciana Dini**, Donatella Paolino, Christian Celia, Maria Carafa. Interaction of pH-sensitive non-phospholipid liposomes with cellular mimetic membranes. **Biomedical Microdevices** IP 3,383 DOI: 10.1007/s10544-012-9731-y
- 157) E. Panzarini, B. Tenuzzo, C. Vergallo, L. Dini.Biological systems interact with Engineered NanoMaterials (ENMs): possible environmental risks. **Nuovo Cimento**(2013) C 36(2):111-116
- 158) E. Panzarini, V. Inguscio, B.A. Tenuzzo, E. Carata, **L. Dini.**Nanomaterials and autophagy:new insights in cancer treatment. **Cancers.** (2013) 5(1):296-319.
- 159) Panzarini E., Inguscio V., Tenuzzo B.A., **Dini L.** In vitro and in vivo clearance of Rose Bengal Acetate-PhotoDynamic Therapy-induced autophagic and apoptotic cells **Experimental Biology and Medicine** (2013), 238 (7):765-78
- 160) Vergallo C, Piccoli C, Romano A, Panzarini E, Serra A, Manno D, **Dini L.** Magnetostatic Field System for Uniform Cell Cultures Exposure.(2013) **PLOS ONE**8: e72341

- 161) Cristian Vergallo, **Luciana Dini**, Zsuzsanna Szamosvölgyi, Bernardetta Anna Tenuzzo, Elisabetta Carata, Elisa Panzarini, János F. László. In vitro analysis of the anti-inflammatory effect of inhomogeneous static magnetic field-exposure on human macrophages and lymphocytes. (2013) **PLOS ONE** 8: e72374
- 162) E. Panzarini, B. Tenuzzo, C. Vergallo, **L Dini**. Biological systems interact with Engineered NanoMaterials (ENMs): possible environmental risks. Il **Nuovo Cimento C-Colloquia and communications in physics**, (2013) 36:111-116
- 163) D. Manno, A. Serra, A. Buccolieri, E. Panzarini, E. Carata, B. Tenuzzo, D. Izzo, C. Vergallo, M. Rossi, **L. Dini**. Silver and carbon nanoparticles toxicity in sea urchin *Paracentrotus lividus* embryos. **BioNanoMaterials**,(2013), 14: 229-338
- 164) Panzarini E, Inguscio V, Fimia GM, **Dini L**. Rose Bengal Acetate PhotoDynamic Therapy (RBAC-PDT) induces exposure and release of Damage-Associated Molecular Patterns (DAMPs) in human HeLa cells. **PlosOne** (2014), 9(8):e105778.
- 165) Vergallo C, Panzarini E, Izzo D, Carata E, Mariano S, Buccolieri A, Serra A, Manno D, **Dini L**. Cytotoxicity of -D-glucosecoated silver nanoparticles on human lymphocytes. **AIP Conference Proceedings** (2014), 1603, 78 doi: 10.1063/1.4883045
- 166) Panzarini E, **Dini L**. Nanomaterials-induced autophagy: a new reversal MDR tool in cancer therapy? **Molecular Pharmaceutics** 2014, (2014) 11(8):2527-38.
- 167) Panzarini E, Dwikat M, Mariano S, Vergallo C, **Dini L**. Administration dependent antioxidant effect of Carica papaya seeds water extract. **Evidence-Based Complementary And Alternative Medicine**, (2014), ISSN: 1741-4288, doi: 10.1155/2014/281508
- 168) M. Rossi, F. Cubadda, **L. Dini**, M.L. Terranova, F. Aureli, A. Sorbo and D. Passeri Scientific basis of nanotechnology, implications for the food sector and future trends. **Trends in Food Science & Technology** (2014) 40 (2) 127-148 DOI: 10.1016/j.tifs.2014.09.004
- 169) O. Kepp, L. Senovilla, **L. Dini** et al., Consensus guidelines for the detection of immunogenic cell death. **Oncolmmunology**(2014) in press
- 170) C.Vergallo, M.Ahmadi, H.Mobasheri, **L. Dini**. Impact of inhomogeneous static magnetic field (31.7-232.0 mT) exposure on human neuroblastoma SH-SY5Y cells during cisplatin administration **PLoS One** (2014) 9(11):e113530
- 171) Panzarini E, **Dini L**. Nanotechnology-Based Cancer Photodynamic Therapy. In In: Nova Science Publishers Inc. **Photodynamic Therapy: Fundamentals, Applications and Health Outcomes**. 2015, pp. 103-122. ISBN: 978-1-63463-857-9
- 172) **Dini L**, Panzarini E, Mariano S, Passeri D, Reggente M, Rossi M, Vergallo C. Microscopies at the nanoscale for nano-scale drug delivery systems. **Curr Drug Targets** 2015 16:1512-1530
- 173) Panzarini E, Mariano S, **Dini L**. Glycans Coated Silver Nanoparticles Induce Autophagy and Necrosis in HeLa Cells. **NANOFORUM** 2014, **AIP Conf Proc** 2015; 1667, 020017-1–020017-8.
- 174) Vergaro V, Carata E, Panzarini E, Baldassare F, **Dini L**, Ciccarella G. Synthesis of calcium carbonate nanocrystals and their potential application as vessels for drug delivery. **NANOFORUM** 2014, **AIP Conf Proc** 2015; 1667, 020014-1–020014-10.
- 175) Kepp O, Senovilla L, Vitale I, Vacchelli E, Adjemian S, Agostinis P, Apetoh L, Aranda F, Barnaba V, Bloy N, Bracci L, Breckpot K, Brough D, Buqué A, Castro MG, Cirone M, Colombo MI, Cremer I, Demaria S, **Dini L**, Eliopoulos AG, Faggioni A, Formenti SC, Fučíková J, Gabriele L, Gaipal US, Galon J, Garg A, Ghiringhelli F, Giese NA, Guo ZS, Hemminki A, Herrmann M, Hodge JW, Holdenrieder S, Honeychurch J, Hu HM, Huang X, Illidge TM, Kono K, Korbelik M, Krysko DV, Loi S, Lowenstein PR, Lugli E, Ma Y, Madeo F, Manfredi AA, Martins I, Mavilio D, Menger L, Merendino N, Michaud M, Mignot G, Mossman KL, Multhoff G, Oehler R, Palombo F, Panaretakis T, Pol J, Proietti E, Ricci JE, Riganti C, Rovere-Querini P, Rubartelli A, Sistigu A, Smyth MJ, Sonnemann J, Spisek R, Stagg J, Sukkurlwala AQ, Tartour E, Thorburn A, Thorne SH, Vandenabeele P, Velotti F, Workenhe ST, Yang H, Zong WX, Zitvogel L, Kroemer G, Galluzzi L. Consensus guidelines for the detection of immunogenic cell death. **Oncolmmunology**. 2014;3(9):e955691
- 176) Garg AD, Galluzzi L, Apetoh L, Baert T, Birge RB, Bravo-San Pedro JM, Breckpot K, Brough D, Chaurio R, Cirone M, Coosemans A, Coulie PG, De Ruyscher D, Dini L, de Witte P, Dudek-Peric AM, Faggioni A, Fucikova J, Gaipal US, Golab J, Gougeon ML, Hamblin MR, Hemminki A, Herrmann M, Hodge JW, Kepp O, Kroemer G, Krysko DV, Land WG, Madeo F, Manfredi AA, Mattarollo SR, Maueroder C, Merendino N, Multhoff G, Pabst T, Ricci JE, Riganti C, Romano E, Rufo N, Smyth MJ, Sonnemann J, Spisek R, Stagg J, Vacchelli E, Vandenabeele P, Vandenberk L, Van den Eynde BJ, Van Gool S, Velotti F, Zitvogel L, Agostinis P. Molecular and Translational Classifications of DAMPs in Immunogenic Cell Death. **Front Immunol**. 2015;20;6:588.
- 177) Panzarini E, Dini L. (2016) NanoMaterials Technology for Research Radiobiology. In: Radiobiology of Glioblastoma: Recent Advances and Related Pathobiology. Humana Press. Chapter 15. ISBN: 978-3-319-28305-0. DOI 10.1007/978-3-319-28305-0_15 pp. 239-252
- 178) Marianecchi C, Di Marzio L, Del Favero E, Cantù L, Brocca P, Rondelli V, Rinaldi F, Dini L, Serra A, Decuzzi P, Celia C, Paolino D, Fresta M, Carafa M. Niosomes as Drug Nanovectors: Multiscale pH-Dependent Structural Response. **Langmuir**. 2016 Feb 9;32(5):1241-9.
- 179) Klionsky DJ, Abdelmohsen K, Abe A, Abedin MJ, Abeliovich H, Acevedo Arozena A, Adachi H, Adams CM, Adams PD, Adeli K, Adihetty PJ, Adler SG, Agam G, Agarwal R, Aghi MK, Agnello M, Agostinis P, Aguilar PV, Aguirre-Ghiso J, Airolidi EM, Ait-Si-Ali S, Akematsu T, Akporiaye ET, Al-Rubeai M, Albaiceta GM, Albanese C, Albani D, Albert ML, Aldudo

J, Algül H, Alirezai M, Alloza I, Almasan A, Almonte-Beceril M, Alnemri ES, Alonso C, Altan-Bonnet N, Altieri DC, Alvarez S, Alvarez-Erviti L, Alves S, Amadoro G, Amano A, Amantini C, Ambrosio S, Amelio I, Amer AO, Amessou M, Amon A, An Z, Anania FA, Andersen SU, Andley UP, Andreadi CK, Andrieu-Abadie N, Anel A, Ann DK, Anoopkumar-Dukie S, Antonoli M, Aoki H, Apostolova N, Aquila S, Aquilano K, Araki K, Arama E, Aranda A, Araya J, Arcaro A, Arias E, Arimoto H, Ariosa AR, Armstrong JL, Arnould T, Arsov I, Asanuma K, Askanas V, Asselin E, Atarashi R, Atherton SS, Atkin JD, Attardi LD, Auberger P, Auburger G, Aurelian L, Autelli R, Avagliano L, Avantiaggiati ML, Avrahami L, Awale S, Azad N, Bachetti T, Backer JM, Bae DH, Bae JS, Bae SH, Baehrecke EH, Baek SH, Baghdiguan S, Bagniewska-Zadworna A, Bai H, Bai J, Bai XY, Bailly Y, Balaji KN, Balduini W, Ballabio A, Balzan R, Banerjee R, Bánhegyi G, Bao H, Barbeau B, Barrachina MD, Barreiro E, Bartel B, Bartolomé A, Bassham DC, Bassi MT, Bast RC Jr, Basu A, Batista MT, Batoko H, Battino M, Bauckman K, Baumgarner BL, Bayer KU, Beale R, Beaulieu JF, Beck GR Jr, Becker C, Beckham JD, Bédard PA, Bednarski PJ, Begley TJ, Behl C, Behrends C, Behrens GM, Behrns KE, Bejarano E, Belaid A, Belleudi F, Bénard G, Berchem G, Bergamaschi D, Bergami M, Berkhout B, Berliocchi L, Bernard A, Bernard M, Bernassola F, Bertolotti A, Bess AS, Besteiro S, Bettuzzi S, Bhalla S, Bhattacharyya S, Bhutia SK, Biagosch C, Bianchi MW, Biard-Piechaczyk M, Billes V, Bincoletto C, Bingol B, Bird SW, Bitoun M, Bjedov I, Blackstone C, Blanc L, Blanco GA, Blomhoff HK, Boada-Romero E, Böckler S, Boes M, Boesze-Battaglia K, Boise LH, Bolino A, Boman A, Bonaldo P, Bordi M, Bosch J, Botana LM, Botti J, Bou G, Bouché M, Bouchecareilh M, Boucher MJ, Boulton ME, Bouret SG, Boya P, Boyer-Guittaut M, Bozhkov PV, Brady N, Braga VM, Brancolini C, Braus GH, Bravo-San Pedro JM, Brennan LA, Bresnick EH, Brest P, Bridges D, Bringer MA, Brini M, Brito GC, Brodin B, Brookes PS, Brown EJ, Brown K, Broxmeyer HE, Bruhat A, Brum PC, Brumell JH, Brunetti-Pierrri N, Bryson-Richardson RJ, Buch S, Buchan AM, Budak H, Bulavin DV, Bultman SJ, Bultynck G, Bumbasirevic V, Burelle Y, Burke RE, Burmeister M, Bütikofer P, Caberlotto L, Cadwell K, Cahova M, Cai D, Cai J, Cai Q, Calatayud S, Camougrand N, Campanella M, Campbell GR, Campbell M, Campello S, Candau R, Caniggia I, Cantoni L, Cao L, Caplan AB, Caraglia M, Cardinali C, Cardoso SM, Carew JS, Carleton LA, Carlin CR, Carloni S, Carlsson SR, Carmona-Gutierrez D, Carneiro LA, Carnevali O, Carra S, Carrier A, Carrol B, Casas C, Casas J, Cassinelli G, Castets P, Castro-Obregon S, Cavallini G, Ceccherini I, Cecconi F, Cederbaum AI, Ceña V, Cenci S, Cerella C, Cervia D, Cetrullo S, Chaachouay H, Chae HJ, Chagin AS, Chai CY, Chakrabarti G, Chamilos G, Chan EY, Chan MT, Chandra D, Chandra P, Chang CP, Chang RC, Chang TY, Chatham JC, Chatterjee S, Chauhan S, Che Y, Cheetham ME, Cheluvappa R, Chen CJ, Chen G, Chen GC, Chen G, Chen H, Chen JW, Chen JK, Chen M, Chen M, Chen P, Chen Q, Chen Q, Chen SD, Chen S, Chen SS, Chen W, Chen WJ, Chen WQ, Chen W, Chen X, Chen YH, Chen YG, Chen Y, Chen Y, Chen Y, Chen YJ, Chen YQ, Chen Z, Chen Z, Chen Z, Cheng A, Cheng CH, Cheng H, Cheong H, Cherry S, Chesney J, Cheung CH, Chevet E, Chi HC, Chi SG, Chiacchiera F, Chiang HL, Chiarelli R, Chiariello M, Chieppa M, Chin LS, Chiong M, Chiu GN, Cho DH, Cho SG, Cho WC, Cho YY, Cho YS, Choi AM, Choi EJ, Choi EK, Choi J, Choi ME, Choi SI, Chou TF, Chouaib S, Choubey D, Choubey V, Chow KC, Chowdhury K, Chu CT, Chuang TH, Chun T, Chung H, Chung T, Chung YL, Chwae YJ, Cianfanelli V, Ciarcia R, Ciechomska IA, Ciriolo MR, Cirone M, Claerhout S, Clague MJ, Clària J, Clarke PG, Clarke R, Clementi E, Cleyrat C, Cnop M, Coccia EM, Cocco T, Codogno P, Coers J, Cohen EE, Colecchia D, Coletto L, Coll NS, Colucci-Guyon E, Comincini S, Condello M, Cook KL, Coombs GH, Cooper CD, Cooper JM, Coppens I, Corasaniti MT, Corazzari M, Corbalan R, Corcelle-Termeau E, Cordero MD, Corral-Ramos C, Corti O, Cossarizza A, Costelli P, Costes S, Cotman SL, Coto-Montes A, Cottet S, Couve E, Covey LR, Cowart LA, Cox JS, Coxon FP, Coyne CB, Cragg MS, Craven RJ, Crepaldi T, Crespo JL, Criollo A, Crippa V, Cruz MT, Cuervo AM, Cuezva JM, Cui T, Cutillas PR, Czaja MJ, Czyzyk-Krzaska MF, Dagda RK, Dahmen U, Dai C, Dai W, Dai Y, Dalby KN, Dalla Valle L, Dalmaso G, D'Amelio M, Damme M, Darfeuille-Michaud A, Dargemont C, Darley-Usmar VM, Dasarathy S, Dasgupta B, Dash S, Dass CR, Davey HM, Davids LM, Dávila D, Davis RJ, Dawson TM, Dawson VL, Daza P, de Belleruche J, de Figueiredo P, de Figueiredo RC, de la Fuente J, De Martino L, De Matteis A, De Meyer GR, De Milito A, De Santi M, de Souza W, De Tata V, De Zio D, Debnath J, Dechant R, Decuypere JP, Deegan S, Dehay B, Del Bello B, Del Re DP, Delage-Mourroux R, Delbridge LM, Deldicque L, Delorme-Axford E, Deng Y, Dengiel J, Denizot M, Dent P, Der CJ, Deretic V, Derrien B, Deutsch E, Devarenne TP, Devenish RJ, Di Bartolomeo S, Di Daniele N, Di Domenico F, Di Nardo A, Di Paola S, Di Pietro A, Di Renzo L, DiAntonio A, Díaz-Araya G, Díaz-Laviada I, Díaz-Meco MT, Díaz-Nido J, Dickey CA, Dickson RC, Diederich M, Digard P, Dikic I, Dinesh-Kumar SP, Ding C, Ding WX, Ding Z, **Dini L**, Distler JH, Diwan A, Djavaheri-Mergny M, Dmytruk K, Dobson RC, Doetsch V, Dokladny K, Dokudovskaya S, Donadelli M, Dong XC, Dong X, Dong Z, Donohue TM Jr, Doran KS, D'Orazi G, Dorn GW 2nd, Dosenko V, Dridi S, Drucker L, Du J, Du LL, Du L, du Toit A, Dua P, Duan L, Duann P, Dubey VK, Duchon MR, Duchosal MA, Duez H, Dugail I, Dumit VI, Duncan MC, Dunlop EA, Dunn WA Jr, Dupont N, Dupuis L, Durán RV, Durcan TM, Duvezin-Caubet S, Duvvuri U, Eapen V, Ebrahimi-Fakhari D, Echard A, Eckhart L, Edelstein CL, Edinger AL, Eichinger L, Eisenberg T, Eisenberg-Lerner A, Eissa NT, El-Deiry WS, El-Khoury V, Elazar Z, Eldar-Finkelman H, Elliott CJ, Emanuele E, Emmenegger U, Engedal N, Engelbrecht AM, Engelender S, Enserink JM, Erdmann R, Erenpreisa J, Eri R, Eriksen JL, Erman A, Escalante R, Eskelinen EL, Espert L, Esteban-Martínez L, Evans TJ, Fabri M, Fabrias G, Fabrizi C, Facchiano A, Færgeman NJ, Faggioni A, Fairlie WD, Fan C, Fan D, Fan J, Fang S, Fanto M, Fanzani A, Farkas T, Faure M, Favier FB, Fearnhead H, Federici M, Fei E, Felizardo TC, Feng H, Feng Y, Feng Y, Ferguson TA, Fernández ÁF, Fernandez-Barrena MG, Fernandez-Checa JC, Fernández-López A, Fernandez-Zapico ME, Feron O, Ferraro E, Ferreira-Halder CV, Fesus L, Feuer R, Fiesel FC, Filippi-Chiela EC, Filomeni G, Fimia GM, Fingert JH, Finkbeiner S, Finkel T, Fiorito F, Fisher PB, Flajolet M, Flamigni F, Florey O, Florio S, Floto RA, Folini M, Follo C, Fon EA, Fornai F, Fortunato F, Fraldi A, Franco R, Francois A, François A, Frankel LB, Fraser ID, Frey N, Freyssen DG, Frezza C, Friedman SL, Frigo DE, Fu D, Fuentes JM, Fueyo J, Fujitani Y, Fujiwara Y, Fujiya M, Fukuda M, Fulda S, Fusco C, Gabryel B, Gaestel M, Gailly P, Gajewska M,

Galadari S, Galili G, Galindo I, Galindo MF, Galliciotti G, Galluzzi L, Galluzzi L, Galy V, Gammoh N, Gandy S, Ganesan AK, Ganesan S, Ganley IG, Gannagé M, Gao FB, Gao F, Gao JX, García Nannig L, García Vescovi E, Garcia-Macia M, Garcia-Ruiz C, Garg AD, Garg PK, Gargini R, Gassen NC, Gatica D, Gatti E, Gavard J, Gavathiotis E, Ge L, Ge P, Ge S, Gean PW, Gelmetti V, Genazzani AA, Geng J, Genschik P, Gerner L, Gestwicki JE, Gewirtz DA, Ghavami S, Ghigo E, Ghosh D, Giammarioli AM, Giampieri F, Giampietri C, Giatromanolaki A, Gibbings DJ, Gibellini L, Gibson SB, Ginot V, Giordano A, Giorgini F, Giovannetti E, Girardin SE, Gispert S, Giuliano S, Gladson CL, Glavic A, Gleave M, Godefroy N, Gogal RM Jr, Gokulan K, Goldman GH, Goletti D, Goligorsky MS, Gomes AV, Gomes LC, Gomez H, Gomez-Manzano C, Gómez-Sánchez R, Gonçalves DA, Goncu E, Gong Q, Gongora C, Gonzalez CB, Gonzalez-Alegre P, Gonzalez-Cabo P, González-Polo RA, Goping IS, Gorbea C, Gorbunov NV, Goring DR, Gorman AM, Gorski SM, Goruppi S, Goto-Yamada S, Gotor C, Gottlieb RA, Gozes I, Gozuacik D, Graba Y, Graef M, Granato GE, Grant GD, Grant S, Gravina GL, Green DR, Greenhough A, Greenwood MT, Grimaldi B, Gros F, Grose C, Groulx JF, Gruber F, Grumati P, Grune T, Guan JL, Guan KL, Guerra B, Guillen C, Gulshan K, Gunst J, Guo C, Guo L, Guo M, Guo W, Guo XG, Gust AA, Gustafsson ÅB, Gutierrez E, Gutierrez MG, Gwak HS, Haas A, Haber JE, Hadano S, Hagedorn M, Hahn DR, Halayko AJ, Hamacher-Brady A, Hamada K, Hamai A, Hamann A, Hamasaki M, Hamer I, Hamid Q, Hammond EM, Han F, Han W, Handa JT, Hanover JA, Hansen M, Harada M, Harhaji-Trajkovic L, Harper JW, Harrath AH, Harris AL, Harris J, Hasler U, Hasselblatt P, Hasui K, Hawley RG, Hawley TS, He C, He CY, He F, He G, He RR, He XH, He YW, He YY, Heath JK, Hébert MJ, Heinzen RA, Helgason GV, Hensel M, Henske EP, Her C, Herman PK, Hernández A, Hernandez C, Hernández-Tiedra S, Hetz C, Hiesinger PR, Higaki K, Hilfiker S, Hill BG, Hill JA, Hill WD, Hino K, Hofius D, Hofman P, Höglinger GU, Höhfeld J, Holz MK, Hong Y, Hood DA, Hoozemans JJ, Hoppe T, Hsu C, Hsu CY, Hsu LC, Hu D, Hu G, Hu HM, Hu H, Hu MC, Hu YC, Hu ZW, Hua F, Hua Y, Huang C, Huang HL, Huang KH, Huang KY, Huang S, Huang S, Huang WP, Huang YR, Huang Y, Huang Y, Huber TB, Huebbe P, Huh WK, Hulmi JJ, Hur GM, Hurley JH, Husak Z, Hussain SN, Hussain S, Hwang JJ, Hwang S, Hwang TI, Ichihara A, Imai Y, Imbriano C, Inomata M, Into T, Iovane V, Iovanna JL, Iozzo RV, Ip NY, Irazoqui JE, Iribarren P, Isaka Y, Isakovic AJ, Ischiropoulos H, Isenberg JS, Ishaq M, Ishida H, Ishii I, Ishmael JE, Isidoro C, Isobe K, Isono E, Issazadeh-Navikas S, Itahana K, Itakura E, Ivanov AI, Iyer AK, Izquierdo JM, Izumi Y, Izzo V, Jäättelä M, Jaber N, Jackson DJ, Jackson WT, Jacob TG, Jacques TS, Jagannath C, Jain A, Jana NR, Jang BK, Jani A, Janji B, Jannig PR, Jansson PJ, Jean S, Jendrach M, Jeon JH, Jessen N, Jeung EB, Jia K, Jia L, Jiang H, Jiang H, Jiang L, Jiang T, Jiang X, Jiang X, Jiang X, Jiang Y, Jiang Y, Jiménez A, Jin C, Jin H, Jin L, Jin M, Jin S, Jinwal UK, Jo EK, Johansen T, Johnson DE, Johnson GV, Johnson JD, Jonasch E, Jones C, Joosten LA, Jordan J, Joseph AM, Joseph B, Joubert AM, Ju D, Ju J, Juan HF, Juenemann K, Juhász G, Jung HS, Jung JU, Jung YK, Jungbluth H, Justice MJ, Jutten B, Kaakoush NO, Kaarniranta K, Kaasik A, Kabuta T, Kaeffer B, Kågedal K, Kahana A, Kajimura S, Kakhlon O, Kalia M, Kalvakolanu DV, Kamada Y, Kambas K, Kaminsky VO, Kampinga HH, Kandouz M, Kang C, Kang R, Kang TC, Kanki T, Kanneganti TD, Kanno H, Kanthasamy AG, Kantorow M, Kaparakis-Liaskos M, Kapuy O, Karantza V, Karim MR, Karmakar P, Kaser A, Kaushik S, Kawula T, Kaynar AM, Ke PY, Ke ZJ, Kehrl JH, Keller KE, Kemper JK, Kenworthy AK, Kepp O, Kern A, Kesari S, Kessel D, Ketteler R, Kettelhut Ido C, Khambu B, Khan MM, Khandelwal VK, Khare S, Kiang JG, Kiger AA, Kihara A, Kim AL, Kim CH, Kim DR, Kim DH, Kim EK, Kim HY, Kim HR, Kim JS, Kim JH, Kim JC, Kim JH, Kim KW, Kim MD, Kim MM, Kim PK, Kim SW, Kim SY, Kim YS, Kim Y, Kimchi A, Kimmelman AC, Kimura T, King JS, Kirkegaard K, Kirkin V, Kirshenbaum LA, Kishi S, Kitajima Y, Kitamoto K, Kitaoka Y, Kitazato K, Kley RA, Klimecki WT, Klinkenberg M, Klucken J, Knævelsrud H, Knecht E, Knuppertz L, Ko JL, Kobayashi S, Koch JC, Koehlin-Ramonatxo C, Koenig U, Koh YH, Köhler K, Kohlwein SD, Koike M, Komatsu M, Kominami E, Kong D, Kong HJ, Konstantakou EG, Kopp BT, Korcsmaros T, Korhonen L, Korolchuk VI, Koshkina NV, Kou Y, Koukourakis MI, Koumenis C, Kovács AL, Kovács T, Kovacs WJ, Koya D, Kraft C, Krainc D, Kramer H, Kravic-Stevovic T, Krek W, Kretz-Remy C, Krick R, Krishnamurthy M, Kriston-Vizi J, Kroemer G, Kruger MC, Kruger R, Ktistakis NT, Kuchitsu K, Kuhn C, Kumar AP, Kumar A, Kumar A, Kumar D, Kumar D, Kumar R, Kumar S, Kundu M, Kung HJ, Kuno A, Kuo SH, Kuret J, Kurz T, Kwok T, Kwon TK, Kwon YT, Kyrmizi I, La Spada AR, Lafont F, Lahm T, Lakkaraju A, Lam T, Lamark T, Lancel S, Landowski TH, Lane DJ, Lane JD, Lanzi C, Lapaquette P, Lapierre LR, Laporte J, Laukkarinen J, Laurie GW, Lavadero S, Lavie L, LaVoie MJ, Law BY, Law HK, Law KB, Layfield R, Lazo PA, Le Cam L, Le Roch KG, Le Stunff H, Leardkamolkarn V, Lecuit M, Lee BH, Lee CH, Lee EF, Lee GM, Lee HJ, Lee H, Lee JK, Lee J, Lee JH, Lee JH, Lee M, Lee MS, Lee PJ, Lee SW, Lee SJ, Lee SJ, Lee SY, Lee SH, Lee SS, Lee SJ, Lee S, Lee YR, Lee YJ, Lee YH, Leeuwenburgh C, Lefort S, Legouis R, Lei J, Lei QY, Leib DA, Leibowitz G, Lekli I, Lemaire SD, Lemasters JJ, Lemberg MK, Lemoine A, Leng S, Lenz G, Lenzi P, Lerman LO, Lettieri Barbato D, Leu JJ, Leung HY, Levine B, Lewis PA, Lezoualc'h F, Li C, Li F, Li FJ, Li J, Li K, Li L, Li M, Li M, Li Q, Li R, Li S, Li W, Li W, Li X, Li Y, Lian J, Liang C, Liang Q, Liao Y, Liberal J, Liberski PP, Lie P, Lieberman AP, Lim HJ, Lim KL, Lim K, Lima RT, Lin CS, Lin CF, Lin F, Lin F, Lin FC, Lin K, Lin KH, Lin PH, Lin T, Lin WW, Lin YS, Lin Y, Linden R, Lindholm D, Lindqvist LM, Lingor P, Linkermann A, Liotta LA, Lipinski MM, Lira VA, Lisanti MP, Liton PB, Liu B, Liu C, Liu CF, Liu F, Liu HJ, Liu J, Liu JJ, Liu JL, Liu K, Liu L, Liu L, Liu Q, Liu RY, Liu S, Liu S, Liu W, Liu XD, Liu X, Liu XH, Liu X, Liu X, Liu Y, Liu Y, Liu Z, Liu Z, Liuzzi JP, Lizard G, Ljujic M, Lodhi IJ, Logue SE, Lokeshwar BL, Long YC, Lonial S, Loos B, López-Otín C, López-Vicario C, Lorente M, Lorenzi PL, Lőrincz P, Los M, Lotze MT, Lovat PE, Lu B, Lu B, Lu J, Lu Q, Lu SM, Lu S, Lu Y, Luciano F, Luckhart S, Lucocq JM, Ludovico P, Lugea A, Lukacs NW, Lum JJ, Lund AH, Luo H, Luo J, Luo S, Luparello C, Lyons T, Ma J, Ma Y, Ma Y, Ma Z, Machado J, Machado-Santelli GM, Macian F, MacIntosh GC, MacKeigan JP, Macleod KF, MacMicking JD, MacMillan-Crow LA, Madeo F, Madesh M, Madrigal-Matute J, Maeda A, Maeda T, Maegawa G, Maellaro E, Maes H, Magariños M, Maiese K, Maiti TK, Maiuri L, Maiuri MC, Maki CG, Malli R, Malorni W, Maloyan A, Mami-Chouaib F, Man N, Mancias JD, Mandelkow EM, Mandell MA, Manfredi AA, Manié SN, Manzoni C, Mao K, Mao Z, Mao ZW, Marambaud P, Marconi AM, Marejza Z, Marfe G, Margeta

M, Margittai E, Mari M, Mariani FV, Marin C, Marinelli S, Mariño G, Markovic I, Marquez R, Martelli AM, Martens S, Martin KR, Martin SJ, Martin S, Martin-Acebes MA, Martín-Sanz P, Martinand-Mari C, Martinet W, Martinez J, Martínez-Lopez N, Martínez-Outschoorn U, Martínez-Velázquez M, Martínez-Vicente M, Martins WK, Mashima H, Mastrianni JA, Matarese G, Matarrese P, Mateo R, Matoba S, Matsumoto N, Matsushita T, Matsuura A, Matsuzawa T, Mattson MP, Matus S, Maugeri N, Mauvezin C, Mayer A, Maysinger D, Mazzolini GD, McBrayer MK, McCall K, McCormick C, McInerney GM, McIver SC, McKenna S, McMahon JJ, McNeish IA, Mechta-Grigoriou F, Medema JP, Medina DL, Megyeri K, Mehrpour M, Mehta JL, Mei Y, Meier UC, Meijer AJ, Meléndez A, Melino G, Melino S, de Melo EJ, Mena MA, Meneghini MD, Menendez JA, Menezes R, Meng L, Meng LH, Meng S, Menghini R, Menko AS, Menna-Barreto RF, Menon MB, Meraz-Ríos MA, Merla G, Merlini L, Merlot AM, Meryk A, Meschini S, Meyer JN, Mi MT, Miao CY, Micale L, Michaeli S, Michiels C, Migliaccio AR, Mihailidou AS, Mijaljica D, Mikoshiba K, Milan E, Miller-Fleming L, Mills GB, Mills IG, Minakaki G, Minassian BA, Ming XF, Minibayeva F, Minina EA, Mintern JD, Minucci S, Miranda-Vizuete A, Mitchell CH, Miyamoto S, Miyazawa K, Mizushima N, Mních K, Mograbi B, Mohseni S, Moita LF, Molinari M, Molinari M, Møller AB, Mollereau B, Mollinedo F, Mongillo M, Monick MM, Montagnaro S, Montell C, Moore DJ, Moore MN, Mora-Rodríguez R, Moreira PI, Morel E, Morelli MB, Moreno S, Morgan MJ, Moris A, Moriyasu Y, Morrison JL, Morrison LA, Morselli E, Moscat J, Moseley PL, Mostowy S, Motori E, Mottet D, Mottram JC, Moussa CE, Mpakou VE, Mukhtar H, Mulcahy Levy JM, Muller S, Muñoz-Moreno R, Muñoz-Pinedo C, Münz C, Murphy ME, Murray JT, Murthy A, Mysorekar IU, Nabi IR, Nabissi M, Nader GA, Nagahara Y, Nagai Y, Nagata K, Nagelkerke A, Nagy P, Naidu SR, Nair S, Nakano H, Nakatogawa H, Nanjundan M, Napolitano G, Naqvi NI, Nardacci R, Narendra DP, Narita M, Nascimbeni AC, Natarajan R, Navegantes LC, Nawrocki ST, Nazarko TY, Nazarko VY, Neill T, Neri LM, Netea MG, Netea-Maier RT, Neves BM, Ney PA, Nezis IP, Nguyen HT, Nguyen HP, Nicot AS, Nilsen H, Nilsson P, Nishimura M, Nishino I, Niso-Santano M, Niu H, Nixon RA, Njar VC, Noda T, Noegel AA, Nolte EM, Norberg E, Norga KK, Noureini SK, Notomi S, Notterpek L, Nowikovsky K, Nukina N, Nührnberger T, O'Donnell VB, O'Donovan T, O'Dwyer PJ, Oehme I, Oeste CL, Ogawa M, Ogretmen B, Ogura Y, Oh YJ, Ohmuraya M, Ohshima T, Ojha R, Okamoto K, Okazaki T, Oliver FJ, Ollinger K, Olsson S, Orban DP, Ordonez P, Orhon I, Orosz L, O'Rourke EJ, Orozco H, Ortega AL, Ortona E, Osellame LD, Oshima J, Oshima S, Osiewacz HD, Otomo T, Otsu K, Ou JH, Outeiro TF, Ouyang DY, Ouyang H, Overholtzer M, Ozbun MA, Ozdinler PH, Ozpolat B, Pacelli C, Paganetti P, Page G, Pages G, Pagnini U, Pajak B, Pak SC, Pakos-Zebrucka K, Pakpour N, Palková Z, Palladino F, Pallauf K, Pallet N, Palmieri M, Paludan SR, Palumbo C, Palumbo S, Pampliega O, Pan H, Pan W, Panaretakis T, Pandey A, Pantazopoulou A, Papackova Z, Papademetrio DL, Papassideri I, Papini A, Parajuli N, Pardo J, Parekh VV, Parenti G, Park JI, Park J, Park OK, Parker R, Parlato R, Parys JB, Parzych KR, Pasquet JM, Pasquier B, Pasumarthi KB, Patschan D, Patterson C, Patingre S, Pattison S, Pause A, Pavenstädt H, Pavone F, Pedrozo Z, Peña FJ, Peñalva MA, Pende M, Peng J, Penna F, Penninger JM, Pensalfini A, Pepe S, Pereira GJ, Pereira PC, Pérez-de la Cruz V, Pérez-Pérez ME, Pérez-Rodríguez D, Pérez-Sala D, Perier C, Perl A, Perlmutter DH, Perrotta I, Pervaiz S, Pesonen M, Pessin JE, Peters GJ, Petersen M, Petrache I, Petrof BJ, Petrovski G, Phang JM, Piacentini M, Pierdominici M, Pierre P, Pierrefite-Carle V, Pietrocola F, Pimentel-Muiños FX, Pinar M, Pineda B, Pinkas-Kramarski R, Pinti M, Pinton P, Piperdi B, Piret JM, Platanias LC, Platta HW, Plowey ED, Pöggeler S, Poirot M, Polčić P, Poletti A, Poon AH, Popelka H, Popova B, Poprawa I, Poulouse SM, Poulton J, Powers SK, Powers T, Pozuelo-Rubio M, Prak H, Prange R, Prescott M, Priault M, Prince S, Proia RL, Proikas-Cezanne T, Prokisch H, Promponas VJ, Przyklenk K, Puertollano R, Pugazhenthis S, Pugielli L, Pujol A, Puyal J, Pyeon D, Qi X, Qian WB, Qin ZH, Qiu Y, Qu Z, Quadriatero J, Quinn F, Raben N, Rabinowich H, Radogna F, Ragusa MJ, Rahmani M, Raina K, Ramanadham S, Ramesh R, Rami A, Randall-Demllo S, Randow F, Rao H, Rao VA, Rasmussen BB, Rasse TM, Ratovitski EA, Rautou PE, Ray SK, Razani B, Reed BH, Reggiori F, Rehm M, Reichert AS, Rein T, Reiner DJ, Reits E, Ren J, Ren X, Renna M, Reusch JE, Revuelta JL, Reyes L, Rezaie AR, Richards RI, Richardson DR, Richetta C, Riehle MA, Rihn BH, Rikihisa Y, Riley BE, Rimbach G, Rippon MR, Ritis K, Rizzi F, Rizzo E, Roach PJ, Robbins J, Roberge M, Roca G, Roccheri MC, Rocha S, Rodrigues CM, Rodríguez CI, de Cordoba SR, Rodríguez-Muela N, Roelofs J, Rogov VV, Rohn TT, Rohrer B, Romanelli D, Romani L, Romano PS, Roncero MI, Rosa JL, Rosello A, Rosen KV, Rosenstiel P, Rost-Roszkowska M, Roth KA, Roué G, Rouis M, Rouschop KM, Ruan DT, Ruano D, Rubinsztein DC, Rucker EB 3rd, Rudich A, Rudolf E, Rudolf R, Ruegg MA, Ruiz-Roldan C, Ruparelia AA, Rusmini P, Russ DW, Russo GL, Russo G, Russo R, Rusten TE, Ryabovol V, Ryan KM, Ryter SW, Sabatini DM, Sacher M, Sachse C, Sack MN, Sadoshima J, Saftig P, Sagi-Eisenberg R, Sahni S, Saikumar P, Saito T, Saitoh T, Sakakura K, Sakoh-Nakatogawa M, Sakuraba Y, Salazar-Roa M, Salomoni P, Saluja AK, Salvaterra PM, Salvioli R, Samali A, Sanchez AM, Sánchez-Alcázar JA, Sanchez-Prieto R, Sandri M, Sanjuan MA, Santaguida S, Santambrogio L, Santoni G, Dos Santos CN, Saran S, Sardiello M, Sargent G, Sarkar P, Sarkar S, Sarrias MR, Sarwal MM, Sasakawa C, Sasaki M, Sass M, Sato K, Sato M, Satriano J, Savaraj N, Saveljeva S, Schaefer L, Schaible UE, Scharl M, Schatzl HM, Schekman R, Schepher W, Schiavi A, Schipper HM, Schmeisser H, Schmidt J, Schmitz I, Schneider BE, Schneider EM, Schneider JL, Schon EA, Schönenberger MJ, Schönthal AH, Schorderet DF, Schröder B, Schuck S, Schulze RJ, Schwarten M, Schwarz TL, Sciarretta S, Scotto K, Scovassi AI, Scream RA, Screen M, Seca H, Sedej S, Segatori L, Segev N, Seglen PO, Seguí-Simarro JM, Segura-Aguilar J, Seki E, Sell C, Selliez I, Semenkovich CF, Semenza GL, Sen U, Serra AL, Serrano-Puebla A, Sesaki H, Setoguchi T, Settembre C, Shacka JJ, Shajahan-Haq AN, Shapiro IM, Sharma S, She H, Shen CK, Shen CC, Shen HM, Shen S, Shen W, Sheng R, Sheng X, Sheng ZH, Shepherd TG, Shi J, Shi Q, Shi Q, Shi Y, Shibutani S, Shibuya K, Shidoji Y, Shieh JJ, Shih CM, Shimada Y, Shimizu S, Shin DW, Shinohara ML, Shintani M, Shintani T, Shioi T, Shirabe K, Shiri-Sverdlov R, Shirihai O, Shore GC, Shu CW, Shukla D, Sibirny AA, Sica V, Sigurdson CJ, Sigurdsson EM, Sijwali PS, Sikorska B, Silveira WA, Silvente-Poirot S, Silverman GA, Simak J, Simmet T, Simon AK, Simon HU, Simone C, Simons M, Simonsen A, Singh R, Singh SV, Singh

- 184) Carata E, Panzarini E, **Dini L.** (2016) Environmental nanoremediation and electron microscopies. In: Nanotechnologies for Environmental Remediation. Springer Editors. (submitted)
- 185) Panzarini E, **Dini L.** (2016) Risks and benefits of silver nanoparticles for nanomedicine applications. In: Nova Science Publishers Inc. Silver Nanoparticles: Advances in Research and Applications. Chapter ID 44100 (in press)
- 186) Vergaro, V., Carata, E., Baldassarre, F., Panzarini, E., **Dini, L.**, Carlucci, C., Leporatti, S., Scremin, B.F., Altamura, D., Giannini, C., Fanizzi, F.P., Ciccarella, G. Scalable production of calcite nanocrystals by atomization process: Synthesis, characterization and biological interactions study. *Advanced Powder Technology* 2017; 28 (10): 2445-2455.
- 187) Panzarini, E., Mariano, S., **Dini, L.** Investigations of the toxic effects of glycans-based silver nanoparticles on different types of human cells. *AIP Conference Proceedings* 2017; 1873, 020012
- 188) Akbarnejad, Z., Eskandary, H., **Dini, L.C.**, Vergallo, C., Nematollahi-Mahani, S.N., Farsinejad, A., Abadi, M.F.S., Ahmadi, M. Cytotoxicity of temozolomide on human glioblastoma cells is enhanced by the concomitant exposure to an extremely low-frequency electromagnetic field (100 Hz, 100 G). *Biomedicine and Pharmacotherapy* 2017; 92: 254-264.
- 189) Hanafy, N.A.N., Quarta, A., Di Corato, R., **Dini, L.**, Nobile, C., Tasco, V., Carallo, S., Cascione, M., Malfettone, A., Soukupova, J., Rinaldi, R., Fabregat, I., Leporatti, S. Hybrid polymeric-protein nano-carriers (HPPNC) for targeted delivery of TGF β inhibitors to hepatocellular carcinoma cells. *Journal of Materials Science: Materials in Medicine* 2017; 28(8): Article number 120. DOI: 10.1007/s10856-017-5930-7
- 190) Panzarini, E., Mariano, S., Vergallo, C., Carata, E., Fimia, G.M., Mura, F., Rossi, M., Vergaro, V., Ciccarella, G., Corazzari, M., **Dini, L.** Glucose capped silver nanoparticles induce cell cycle arrest in HeLa cells. *Toxicology in Vitro* 2017; 41: 64-74.
- 191) Akbarnejad, Z., Eskandary, H., Vergallo, C., Nematollahi-Mahani, S.N., **Dini, L.**, Darvishzadeh-Mahani, F., Ahmadi, M. Effects of extremely low-frequency pulsed electromagnetic fields (ELF-PEMFs) on glioblastoma cells (U87). *Electromagnetic Biology and Medicine* 2017; 36(3): 238-247.
- 192) Carata, E., Panzarini, E., **Dini, L.** Environmental nanoremediation and electron microscopies. *Nanotechnologies for Environmental Remediation: Applications and Implications* 2017: 115-136.
- 193) Rossi, M., Passeri, D., Sinibaldi, A., Angjellari, M., Tamburri, E., Sorbo, A., Carata, E., **Dini, L.** Nanotechnology for Food Packaging and Food Quality Assessment. *Advances in Food and Nutrition Research* 2017; 82: Pages 149-204.
- 194) Romagnoli, A., Petruccioli, E., Palucci, I., Camassa, S., Carata, E., Petrone, L., Mariano, S., Sali, M., **Dini, L.**, Girardi, E., Delogu, G., Goletti, D., Fimia, G.M. Clinical isolates of the modern Mycobacterium tuberculosis lineage 4 evade host defense in human macrophages through eluding IL-1 β -induced autophagy. *Cell Death and Disease* 2018; 9(6), art. no. 624. DOI: 10.1038/s41419-018-0640-8
- 195) Mohammadinejad R, Moosavi MA, Tavakol S, Vardar DÖ, Hosseini A, Rahmati M, **Dini L**, Hussain S, Mandegary A, Klionsky DJ. Necrotic, apoptotic and autophagic cell fates triggered by nanoparticles. *Autophagy* 2018; 13:1-30.
- 196) Lacave, J.M., Vicario-Parés, U., Bilbao, E., Gilliland, D., Mura, F, **Dini, L.**, Cajaraville, M.P., Orbea, A. Waterborne exposure of adult zebrafish to silver nanoparticles and to ionic silver results in differential silver accumulation and effects at cellular and molecular levels. *Science of the Total Environment* 2018; 642: 1209-1220.
- 197) Vergallo C, **Dini L.** Comparative analysis of biological effects induced on different cell types by magnetic fields with magnetic flux densities in the range of 1-60 mT and frequencies up to 50 Hz. *Sustainability* 2018; 10 (8) Article number 2776 DOI: 10.3390/su10082776
- 198) Mariano, S, Panzarini, E, Carata, E, **Dini, L.** In vitro comparative study of the effects of silver and gold nanoparticles exploitable in the context of photodynamic therapy. *AIP Conference Proceedings* 2018; 1990, Article number 020023
- 199) Panzarini, E., Mariano, S., Carata, E., Mura, F., Rossi, M., **Dini, L.** Intracellular transport of silver and gold nanoparticles and biological responses: An update. *International Journal of Molecular Sciences* 2018; 19, 1305
- 200) Pantanella, F., Iebba, V., Mura, F., **Dini, L.**, Totino, V., Neroni, B., Bonfiglio, G., Trancassini, M., Passariello, C., Schippa, S. Behaviour of *Bdellovibrio bacteriovorus* in the presence of gram-positive *Staphylococcus aureus*. *New Microbiologica* 2018; 41(2): 145-152
- 201) Hanafy, N.A.N., Quarta, A., Ferraro, M.M., **Dini, L.**, Nobile, C., De Giorgi, M.L., Carallo, S., Citti, C., Gaballo, A., Cannazza, G., Rinaldi, R., Giannelli, G., Leporatti, S. Polymeric nano-micelles as novel cargo-carriers for LY2157299 liver cancer cells delivery. *International Journal of Molecular Sciences* 2018; 19(3) Article number 748. DOI: 10.3390/ijms19030748
- 202) Hanafy, N.A., **Dini, L.**, Citti, C., Cannazza, G., Leporatti, S. Inhibition of glycolysis by using a micro/nano-lipid bromopyruvic chitosan carrier as a promising tool to improve treatment of hepatocellular carcinoma. *Nanomaterials* 2018; 8(1) Article number 34 DOI: 10.3390/nano8010034
- 203)

DEATH & DISEASE Volume: 9 Article Number: 624 Published: MAY 24 2018

204) Vergallo, Cristian; Dini, Luciana Comparative Analysis of Biological Effects Induced on Different Cell Types by Magnetic Fields with Magnetic Flux Densities in the Range of 1-60 mT and Frequencies up to 50 Hz SUSTAINABILITY Volume: 10 Issue: 8 Article Number: 2776 Published: AUG 2018

205) Mohammadinejad R, Moosavi MA, Tavakol S, Vardar DÖ, Hosseini A, Rahmati M, **Dini L**, Hussain S, Mandegary A, Klionsky DJ. Necrotic, apoptotic and autophagic cell fates triggered by nanoparticles. *Autophagy* 2019; 15(1):4-33.

206) Carata, E., Tenuzzo, BA, **Dini, L** Powerful properties of ozonated extra virgin olive oil (2019) *Herbal Medicine*, " 978-1-78984-783-3 Chapter 12 <http://dx.doi.org/10.5772/intechopen.73211>

207) Kamal, Shady Mansour; Rybtke, Morten Levin; Nimtz, Manfred; et al. Two FtsH Proteases Contribute to Fitness and Adaptation of *Pseudomonas aeruginosa* Clone C Strains *FRONTIERS IN MICROBIOLOGY* Volume: 10 Article Number: 1372 Published: JUL 9 2019

208) Tettamanti, G; Carata, E.; Montali, A.; et al. Autophagy in development and regeneration: role in tissue remodelling and cell survival *EUROPEAN ZOOLOGICAL JOURNAL* Volume: 86 Issue: 1 Pages: 113-131 Published: 2019

209) Lacave, J.M., Bilbao, E., Gilliland, D., (...), Cajaraville, M.P. Orbea, A., Bioaccumulation, cellular and molecular effects in adult zebrafish after exposure to cadmium sulphide nanoparticles and to ionic cadmium *Chemosphere* 238,124588 2020

210) Dini, Luciana; Passeri, Daniele; Vergallo, Cristian; Rossi, Marco 15th Eurasia Conference on Chemical Sciences (EuAsC2S-15)-5th-8th September 2018, Rome, Italy PURE AND APPLIED CHEMISTRY _Volume: 91 Issue: 10 Pages: 1549-1552 Published: OCT 2019

211) Vergallo, Cristian; Panzarini, Elisa; Dini, Luciana High performance liquid chromatographic profiling of antioxidant and antidiabetic flavonoids purified from *Azadirachta indica* (neem) leaf ethanolic extract *PURE AND APPLIED CHEMISTRY* Volume: 91 Issue: 10 Pages: 1631-1640 Published: OCT 2019

212) Lucianò, A.M., Mattei, F., Damo, E., Panzarini, E, Dini, L., Tata, A.M. Effects mediated by M2 muscarinic orthosteric agonist on cell growth in human neuroblastoma cell lines *PURE AND APPLIED CHEMISTRY* Volume: 91 Issue: 10 Pages: 1641-1650 Published: OCT 2019

213) Rossi, M., Dini, L., Passeri, D., Antisari, M.V. Preface: Nanoinnovation 2018 AIPConference Proceedings 2145,010001 2019

214) Salehi, Bahare; Azzini, Elena; Zucca, Paolo; ... Dini L, et al. Plant-Derived Bioactives and Oxidative Stress-Related Disorders: A Key Trend towards Healthy Aging and Longevity Promotion *APPLIED SCIENCES-BASEL* Volume: 10 Issue: 3 Article Number: 947 Published: FEB 2020

215) Dini, L.; Tacconi S.; Carata E.; Tata A, Vergallo, C., Panzarini E. Microvesicles and exosomes in metabolic diseases and inflammation *CYTOKINE & GROWTH FACTOR REVIEWS* Volume: 51 Special Issue: SI Pages: 27-39 Published: FEB 2020

216) Vergallo, Cristian; Panzarini, Elisa; Tenuzzo, Bernardetta Anna; Stefania Mariano, Ada Tata, Luciana Dini Moderate Static Magnetic Field (6 mT)-Induced Lipid Rafts Rearrangement Increases Silver NPs Uptake in Human Lymphocytes *MOLECULES* Volume: 25 Issue: 6 Article Number: 1398 Published: MAR 2 2020

217) Cristofaro, Ilaria; Alessandrini, Francesco; Spinello, Zaira; Guerriero C, Fiore M, Caffarelli E, Laneve P, Dini L, Conti L, Tatat AM Cross Interaction between M2 Muscarinic Receptor and Notch1/EGFR Pathway in Human Glioblastoma Cancer Stem Cells: Effects on Cell Cycle Progression and Survival *CELLS* Volume: 9 Issue: 3 Article Number: 657 Published: MAR 2020

218) Panzarini, Elisa; Vergallo, Cristian; Fanizzi, Francesco Paolo; Mariano Stefania, Tata Ada Maria, Dini Luciana The dialogue between died and viable cells: in vitro and in vivo bystander effects and H-1-NMR-based metabolic profiling of soluble factors *PURE AND APPLIED CHEMISTRY* Volume: 92 Issue: 3 Pages: 399-411 Published: MAR 2020

219) Baldassarre, Francesca; De Stradis, Angelo; Altamura, Giuseppe; Vergaro V, Citti C, Cannazza G, Capodilupo AL, Dini L, Ciccarella G Application of calcium carbonate nanocarriers for controlled release of phytodrugs against *Xylella fastidiosa* pathogen *PURE AND APPLIED CHEMISTRY* Volume: 92 Issue: 3 Pages: 429-444 Published: MAR 2020

220) Trobiani, Laura; Meringolo, Maria; Diamanti, Tamara; et al. The neuroligins and the synaptic pathway in Autism Spectrum Disorder *NEUROSCIENCE AND BIOBEHAVIORAL REVIEWS* Volume: 119 Pages: 37-51 Published: DEC 2020

221) Panzarini, Elisa; Tacconi, Stefano; Carata, Elisabetta; et al. Molecular Characterization of Temozolomide-Treated and Non Temozolomide-Treated Glioblastoma Cells Released Extracellular Vesicles and Their Role in the Macrophage Response *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES* Volume: 21 Issue: 21 Article Number: 8353 Published: NOV 2020

222) Sharifi-Rad, Mehdi; Kumar, Nanjangud V. Anil; Zucca, Paolo; et al. Lifestyle, Oxidative Stress, and Antioxidants: Back and Forth in the Pathophysiology of Chronic Diseases *FRONTIERS IN PHYSIOLOGY* Volume: 11 Article Number: 694 Published: JUL 2 2020

Curriculum Vitae

- 223) Mariano, Stefania; Panzarini, Elisa; Inverno, Maria D.; et al. Toxicity, Bioaccumulation and Biotransformation of Glucose-Capped Silver Nanoparticles in Green Microalgae *Chlorella vulgaris* NANOMATERIALS Volume: 10 Issue: 7 Article Number: 1377 Published: JUL 2020
- 224) Baldassarre, Francesca; Tatulli, Giuseppe; Vergaro, Viviana; et al. Sonication-Assisted Production of Fosetyl-Al Nanocrystals: Investigation of Human Toxicity and In Vitro Antibacterial Efficacy against *Xylella fastidiosa* NANOMATERIALS Volume: 10 Issue: 6 Article Number: 1174 Published: JUN 2020
- 225) Pernarella, Marta; Piovesana, Roberta; Matera, Carlo; et al. Effects mediated by the alpha 7 nicotinic acetylcholine receptor on cell proliferation and migration in rat adipose-derived stem cells EUROPEAN JOURNAL OF HISTOCHEMISTRY Volume: 64 Special Issue: SI Supplement: 2 Article Number: 3159 Published: 2020
- 226) Gagliardi, A., Cosco, D., Udongo, B.P., ...Viglietto, G., Paolino, D. Design and characterization of glyceryl monooleate-nanostructures containing doxorubicin hydrochloride Pharmaceuticals, 2020, 12(11), pp. 1–20, 1017
- 227) Cristiano, Maria Chiara; Froilo, Francesca; Mancuso, Antonia; et al. Oleuropein-Laded Ufasomes Improve the Nutraceutical Efficacy NANOMATERIALS Volume: 11 Issue: 1 Article Number: 105 Published: JAN 2021
- 228) Panzarini, Elisa; Mariano, Stefania; Tacconi, Stefano; et al. Novel Therapeutic Delivery of Nanocurcumin in Central Nervous System Related Disorders NANOMATERIALS Volume: 11 Issue: 1 Article Number: 2 Published: JAN 2021
- 229) Abadi, B., Ahmadi-Zeidabadi, M., Dini, L., Vergallo, C. Stem cell-based therapy treating glioblastoma multiforme Hematology/ Oncology and Stem Cell Therapy, 2021, 14(1), pp. 1–15
- 230) Panzarini, E., Mariano, S., Tacconi, S., ...Tata, A.M., Dini, L. Novel therapeutic delivery of nanocurcumin in central nervous system related disorders Nanomaterials, 2021, 11(1), pp. 1–30,
- 231) Vergallo, C., Hafeez, M.N., Iannotta, D., ...Di Marzio, L., Christian, C. Conventional nanosized drug delivery systems for cancer applications Advances in Experimental Medicine and Biology, 2021, 1295, pp. 3–27
- 232) Klionsky, D.J., Abdel-Aziz, A.K., Abdelfatah, S., ...Stallings, C.L., Tong, C.-K. Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition) Autophagy, 2021
- 233) Fidaleo, M., Tacconi, S., Sbarigia, C., ...Tata, A.M., Dini, L. Current nanocarrier strategies improve vitamin b12 pharmacokinetics, ameliorate patients' lives, and reduce costs Nanomaterials, 2021, 11(3), pp. 1–19, 743
- 234) Pasquale Simeone, Stefano Tacconi, Serena Longo, Paola Lanuti, Sara Bravaccini, Francesca Pirini, Sara Ravaoli, Luciana Dini, Anna M. Giudetti Expanding roles of de novo lipogenesis in breast cancer IJERP in press