



March 2018 Associate Professor Professor in SC 05/ E1-SSD BIO/10 (Biochemistry) – permanent position at the Department of Chemical, Biological, Pharmaceutic and Environmental Sciences-ChiBioFarAm) University of Messina.

Main activities and responsibilities Research activity; education; participation to projects. Research group coordinator.

**Details:**

From 1991 to 1993 Collaboration to Research Activity with the Environmental Chemistry Section of the Centre for Environmental and Health Protection (CIPAS).

Main activities and responsibilities Research activity and participation to projects on ATP bioluminescence assay for the estimation of microbial biomass.

1993 Research activity at the Institute of Chemistry of the Catholic University in Rome.

Principal subjects of research Functional properties of Hemoglobins, structure-function relationship and comparative aspects.

From 1994 to 1995 Participation as operating unit component in the national research project EOCUMM 94 (CoNISMa): "Environmental and Marine Characterization of Aeolian system and neighboring basins of Cefalù and Gioia Tauro (Tirreno-Southeast)".

Main activities and responsibilities Research activity aimed to the study of protein adaptations in fish species of the Aeolian marine system.

From 2007 to 2013 Participation as operating unit component in the INNOVAQUA Project funded by the Cross-border Cooperation Programme Italy-Slovenia for development of technological innovations in aquaculture.

Main activities and responsibility Research activity aimed to development of technological innovations in aquaculture.

**Teaching experience:**

Since the Academic Year 2001/02 to 2014/2015 Comparative Biochemistry for Biological Sciences Degree.

Since the Academic Year 2005/06 to 2009/2010 Foundations of Biochemistry of Nutrition for Biological Sciences Degree.

Since the Academic Year 2008/2009 to 2017/2018	Biochemistry II (L-Z) for Masterly Degree in Biology.
Since the Academic Year 2007/2012	Council Component of PhD in Biology and Cellular Biotechnology, (from XXIII to XXVIII cycle).
Academic Year 2013/2014	Council Component of PhD in Applied Biology and Experimental Medicine, (XXIX cycle).
From 01-01-2016	Member of the Joint Commission, Department of Chemical, Biological, Pharmaceutic and Environmental Sciences-ChiBioFarAm) University of Messina.
From the Academic Year 2017/2018	Council Component of PhD in Applied Biology and Experimental Medicine, - Cycle: XXXIII.
Since the Academic Year 2018/2019	Biochemistry (L-Z) for Biological Sciences Degree.
Since the Academic Year 2019/2020 Degree	Nutritional Biochemistry for Magisterial Biology

Editorial Board member for Global Drugs and Therapeutics (GDT), EC Pharmacology and Toxicology and EC Proteomics and Bioinformatics.

Referee for: "Medicinal Chemistry", "Cell Biology International", "British Journal of Hematology", "Journal of Functional Foods", "Journal of nutrition and Food Sciences", "Molecules".

### **Lines of Research**

The Research activity using advanced and complex mathematical models, is centered on red blood cell as model of study, focusing on some specific topics:

Red blood cells	erythrocyte as based model of study to predict the pharmacologic effects of selected molecules.  this research line has also the purpose to study the potential correlation between amyloid protein aggregation and erythrocyte state with the aim to use red blood cell as an early disease sensor and/or as an efficient drug delivery.
Hemoglobin	study of the structural and functional properties of the protein, comparative aspects. Involvement of the protein in the regulation of human erythrocyte metabolism.
Band 3 protein	study of the protein interaction with deoxyhemoglobin and / or glycolytic enzymes with particular regard at the

mechanisms underlying metabolic regulation of the erythrocyte.

Use of non-equilibrium thermodynamics for the study of the dielectric and rheological properties of blood components for the development of new diagnostic techniques

## Elenco articoli in rivista:

1. **\*TELLONE E**, GALTIERI A, FICARRA S., (2019) Reviewing the biochemical implications of normal and mutated huntingtin in Huntington's disease *CURR. MED. CHEM.* [Q1]
2. FARSACI F, **\*TELLONE E**, RUSSO A, GALTIERI A, FICARRA S., (2019) Thermodynamic characterization of RBCs highlights correlations between different hemoglobin types and Band 3 interactions *J MOL LIQUIDS* Vol. 296, 112070 DOI: 10.1016/j.molliq.2019.112070 [Q1]
3. TELLONE E, BARRECA D, RUSSO A, GALTIERI A, FICARRA S (2019) New role for an old molecule: the 2,3-diphosphoglycerate case. *BBA- General Subjects* 1863 1602–1607 [Q1]
4. FARSACI F, **\*TELLONE E**, GALTIERI A, FICARRA S., (2019) Electromagnetic waves propagation in normal and pathological hemoglobins: Thermodynamic comparative study of the influence of the relative macromolecular variability *J MOL LIQUIDS* 291 111319 [Q1]
5. FARSACI F, **\*TELLONE E**, GALTIERI A, FICARRA S., (2019) A new model for thermodynamic characterization of hemoglobin *FLUIDS* 4, 135 doi:10.3390/fluids4030135.
6. FARSACI F, **\*TELLONE E**, GALTIERI A, FICARRA S., (2019) Phenomenological approach on electromagnetic waves propagation in normal and diabetic blood, influence of the relative macromolecular structures. *J MOL LIQUIDS* 274 577–583 [Q1]
7. FARSACI F, **\*TELLONE E**, GALTIERI A, FICARRA S., (2019) A new model with internal variables for theoretical thermodynamic characterization of hemoglobin: Entropy determination and comparative study. *J MOL LIQUIDS* 279 2–639 [Q1]
8. **\*TELLONE E**, GALTIERI A, RUSSO A, FICARRA S, (2018) Protective effects of the caffeine against neurodegenerative diseases. *CURR. MED. CHEM.* 25, 1-13 doi: 10.2174/0929867324666171009104040 [Q1]
9. FARSACI F, **\*TELLONE E**, GALTIERI A, FICARRA S., (2018) Is a dangerous blood clot formation a reversible process? Introduction of new characteristic parameter for thermodynamic clot blood characterization: possible molecular mechanisms and pathophysiologic applications. *J MOL LIQUIDS* 262, 345-353 DOI: 10.1016/j.molliq.2018.04.071 [Q1]
10. N. LAVANYA, C. SEKAR, S. FICARRA, A. GALTIERI, **E. TELLONE**, S.G. LEONARDI, G. NERI, (2018) Detection of catecholamine neurotransmitters by nanostructured SnO<sub>2</sub>-based electrochemical sensors: a review of recent progresses *BENTHAM SCIENCES*
11. FARSACI F, **\*TELLONE E**, GALTIERI A, FICARRA S (2018). Expanding the repertoire of dielectric fractional models: a comprehensive development and functional applications to predict metabolic alterations in experimentally-inaccessible cells or tissues *FLUIDS* 3, 9; doi:10.3390/fluids3010009.

12. TALAREK S., LISTOS J., BARRECA D., **TELLONE E.**, SUREDA A., NABAVI S.F., BRAIDY N., NABAVI S.M. (2017) Neuroprotective effects of honokiol: from chemistry to medicine. *BIOFACTORS* 43(6). doi: 10.1002/biof.1385. [Q1]
13. FARSACI F, FICARRA S, GALTIERI A, **\*TELLONE E.** (2017) A new non-equilibrium thermodynamic fractional visco-inelastic model to predict experimentally inaccessible processes and investigate pathophysiological cellular structures. *FLUIDS* 2, 59; doi:10.3390/fluids2040059
14. BARRECA D, CURRÒ M, BELLOCCO E, FICARRA S, LAGANÀ G, **TELLONE E**, LAURA GIUNTA M, VISALLI G, CACCAMO D, GALTIERI A, IENTILE R (2017) Neuroprotective effects of phloretin and its glycosylated derivative on rotenone-induced toxicity in human SH-SY5Y neuronal-like cells. *BIOFACTORS* 43(4):549-557. doi: 10.1002/biof.1358 [Q1,40p.]
15. FARSACI F, **\*TELLONE E**, RUSSO A, GALTIERI A, FICARRA S (2017). Rheological properties of human blood in the network of non-equilibrium thermodynamic with internal variables by means of ultrasound wave perturbation. *J MOL LIQUIDS*. 231, 206–212.
16. FARSACI F, FICARRA S, RUSSO A, GALTIERI A, **\*TELLONE E** (2016). On evaluation of electric conductivity by mean of non equilibrium thermodynamic approach with internal variables. An application to human erythrocyte suspension for metabolic characterizations. *J MOL LIQUIDS*. 224PB, 1181-1188. doi: 10.1016/j.molliq.2016.10.096
17. FARSACI F, **\*TELLONE E**, RUSSO A, GALTIERI A, FICARRA S (2016). Evaluation of the human blood entropy production: a new thermodynamic approach. *J ULTRASOUND*. 19(4):265-273. doi 10.1007/s40477-016-0210-9
18. SCALA A, FICARRA S, RUSSO A, BARRECA D, GIUNTA E, GALTIERI A, GRASSI G, **TELLONE E.** (2016). Alterations in Red Blood Cell Functionality Induced by an Indole Scaffold Containing a Y-Iminodiketo Moiety: Potential Antiproliferative Conditions. *OXID MED CELL LONGEV*. 2016:2104247. doi: 10.1155/2016/2104247. [Q1,40p.,15.00]
19. FICARRA S, RUSSO A, BARRECA D, GIUNTA E, GALTIERI A, **TELLONE E.** (2016). Short-Term Effects of Chlorpromazine on Oxidative Stress in Erythrocyte Functionality: Activation of Metabolism and Membrane Perturbation. *OXID MED CELL LONGEV*. 2016;2016:2394130. doi: 10.1155/2016/2394130. [Q1,40p.,20.00]
20. **\*TELLONE E**, GALTIERI A, RUSSO A, FICARRA S. (2016). How does resveratrol influence the genesis of some neurodegenerative diseases? *NEURAL REGEN RES*. 11(1):86-7. ISSN: 1673-5374, doi: 10.4103/1673-5374.175047. [Q4]
21. LAVANYA N, SEKAR C, FICARRA S, **TELLONE E**, BONAVITA A, LEONARDI SG, NERI G. (2016). A novel disposable electrochemical sensor for determination of carbamazepine based on Fe doped SnO<sub>2</sub> nanoparticles modified screen-printed carbon electrode. *MATER SCI ENG C MATER BIOL APPL*. 62:53-60. doi: 10.1016/j.msec.2016.01.027.

22. CARELLI-ALINOVI C, FICARRA S, RUSSO AM, GIUNTA E, BARRECA D, GALTIERI A, MISITI F, **TELLONE E.** (2016). Involvement of acetylcholinesterase and protein kinase C in the protective effect of caffeine against  $\beta$ -amyloid-induced alterations in red blood cells. *BIOCHIMIE*. 121:52-9. doi: 10.1016/j.biochi.2015.11.022. [Q1,40p.,15.00]
23. FICARRA S, **TELLONE E**, PIROLI D, RUSSO A, BARRECA D, GALTIERI A, GIARDINA B, GAVEZZOTTI P, RIVA S, DE ROSA MC. (2016). Insights into the properties of the two enantiomers of trans- $\delta$ -viniferin, a resveratrol derivative: antioxidant activity, biochemical and molecular modeling studies of its interactions with hemoglobin. *MOL BIOSYST*. 12(4):1276-86. doi: 10.1039/c5mb00897b. [Q2]
24. **\*TELLONE E**, GALTIERI A, RUSSO A, GIARDINA B, FICARRA S. (2015). Resveratrol: A Focus on Several Neurodegenerative Diseases. *OXID MED CELL LONGEV*. 2015:392169. doi: 10.1155/2015/392169. Review. [Q1,30p.,18.00]
25. SCALA A, FICARRA S, RUSSO A, BARRECA D, GIUNTA E, GALTIERI A, GRASSI G, **TELLONE E.** (2015). A new erythrocyte-based biochemical approach to predict the antiproliferative effects of heterocyclic scaffolds: The case of indolone. *BIOCHIM BIOPHYS ACTA*. 1850(1):73-9. doi: 10.1016/j.bbagen.2014.09.022. [Q1,40p.,15.00]
26. FARSACI F, RUSSO A, FICARRA S, **\*TELLONE E.** (2015). Dielectric Properties of Human Normal and Malignant Liver Tissue: A Non-Equilibrium Thermodynamics Approach. *OPEN ACCESS LIBRARY JOURNAL*. 2: e1395. doi.org/10.4236/oalib.1101395.
27. FARSACI F, FICARRA S, RUSSO A, GALTIERI A, **\*TELLONE E.** (2015). Dielectric properties of human diabetic blood: Thermodynamic characterization and new prospective for alternative diagnostic techniques. *J ADVANCED DIELECTRICS*. 5( 3) 1550021. doi: 10.1142/S2010135X15500216
28. **TELLONE E**, RUSSO A, GIARDINA B, GALTIERI A, FICARRA S. (2015). Metabolic effects of endogenous and exogenous heterotropic hemoglobin modulators on anion transport: The case of pig erythrocytes. *OALIB*. 2:1-11. ISSN:2333-9705.
29. CARELLI-ALINOVI C, **TELLONE E**, RUSSO A, FICARRA S, PIROLI D, GALTIERI A, GIARDINA B, MISITI F. (2014). NO Metabolites Levels in Human Red Blood Cells are Affected by Palytoxin, an Inhibitor of Na(+)/K(+)-ATPase Pump. *OPEN BIOCHEM J*. 4;8:68-73. doi: 10.2174/1874091X01408010068.
30. **TELLONE E**, DE ROSA MC, PIROLI D, RUSSO A, GIARDINA B, GALTIERI A, FICARRA S. (2014). Molecular interactions of hemoglobin with resveratrol: potential protective antioxidant role and metabolic adaptations of the erythrocyte. *BIOL CHEM*. 395(3):347-54. doi: 10.1515/hsz-2013-0257. [Q1,40p.,20.00]
31. BARRECA D, LAGANÀ G, FICARRA S, **TELLONE E**, LEUZZI U, GALTIERI A, BELLOCCO E. (2014). Ornithine carbamoyltransferase unfolding states in the presence of urea and guanidine hydrochloride. *APPL BIOCHEM BIOTECHNOL*. 172(2):854-66. [Q3]
32. DI SALVO C, BARRECA D, LAGANÀ G, DI BELLA M, **TELLONE E**, FICARRA S, BELLOCCO E. (2013). Myelin basic protein: structural characterization of spherulites

- formation and preventive action of trehalose. *INT J BIOL MACROMOL.* 57:63-8. doi: 10.1016/j.ijbiomac.2013.02.022. [Q2,30p.]
33. FICARRA S, MISITI F, RUSSO A, CARELLI-ALINOVI C, BELLOCCO E, BARRECA D, LAGANÀ G, LEUZZI U, TOSCANO G, GIARDINA B, GALTIERI A, **TELLONE E.** (2013). Antiepileptic carbamazepine drug treatment induces alteration of membrane in red blood cells: possible positive effects on metabolism and oxidative stress. *BIOCHIMIE.* 95(4):833-41. doi: 10.1016/j.biochi.2012.11.018. [Q1,40p.10.00]
  34. FARSACI F, **TELLONE E,** CAVALLARO M, RUSSO A, FICARRA S, (2013). Low frequency dielectric characteristics of human blood: A non-equilibrium thermodynamic approach. *J MOL LIQUIDS* 188, 113–119. doi.org/10.1016/j.molliq.2013.09.033.
  35. BARRECA D, LAGANÀ G, FICARRA S, GATTUSO G, MAGAZÙ S, LA TORRE R, **TELLONE E,** BELLOCCO E. (2013). Spectroscopic determination of lysozyme conformational changes in the presence of trehalose and guanidine. *CELL BIOCHEM BIOPHYS.* 66(2):297-307. doi: 10.1007/s12013-012-9485-4. [Q3,20p.]
  36. MINUZZI A., CANU G., **TELLONE E.,** GIARDINA B., ZUPPI C., AND CAPOLUONGO E. (2012). Phenotype heterogeneity of hyperbilirubinemia condition: the lesson by coinheritance of glucose-6-phosphate dehydrogenase deficiency and Crigler najjar Syndrome type II in an Italian patient. *BLOOD CELLS, MOLECULES & DISEASES,* 49(2):118-9, doi: 10.1016/j.bcnd.2012.05.004. [Q3]
  37. **TELLONE E.,** FICARRA S., RUSSO A., BELLOCCO E., BARRECA D., LAGANÀ G., LEUZZI U., PIROLI D., DE ROSA M.C., GIARDINA B., GALTIERI A. (2012). Caffeine inhibits erythrocyte membrane derangement by antioxidant activity and by blocking caspase 3 activation. *BIOCHIMIE,* vol. 94, p. 393-402, ISSN: 0300-9084, doi: 10.1016/j.biochi.2011.08.007 [Q1,40p.,10.91]
  38. FICARRA S., RUSSO A., STEFANIZZI F., MILETO M., BARRECA D., BELLOCCO E., LAGANÀ G., LEUZZI U., GIARDINA B., GALTIERI A., **TELLONE E.** (2011) Palytoxin induces functional changes of anion transport in red blood cells: metabolic impact. *THE JOURNAL OF MEMBRANE BIOLOGY,* 242(1):31-9, doi: 10.1007/s00232-011-9374- [Q2,30p.,8.18]
  39. BARRECA D., LAGANÀ G., FICARRA S., **TELLONE E.,** LEUZZI U., GALTIERI A., BELLOCCO E. (2011) Evaluation of the antioxidant and cytoprotective properties of the exotic fruit *Annona cherimola* Mill. (Annonaceae). *FOOD RESEARCH INTERNATIONAL,* vol. 44, p. 2302-2310, ISSN: 0963-9969, doi: 10.1016/j.foodres.2011.02.031 [Q1,40p.]
  40. GALTIERI A., **TELLONE E.,** FICARRA S., RUSSO A., BELLOCCO E., BARRECA D., SCATENA R., LAGANÀ G., LEUZZI U., GIARDINA B. (2010). Resveratrol treatment induces redox stress in red blood cells: a possible role of caspase 3 in metabolism and anion transport. *BIOLOGICAL CHEMISTRY,* vol. 391, p. 1057-1065 , ISSN: 1431-6730, doi: 10.1515/BC.2010.100 [Q1,40p.,12.00]
  41. BARRECA D., LAGANÀ G., FICARRA S., **TELLONE E.,** LEUZZI U., MAGAZÙ S., GALTIERI A., BELLOCCO E. (2010) Anti-aggregation properties of trehalose on heat-



induced secondary structure and conformation changes of bovine serum albumin. BIOPHYSICAL CHEMISTRY, 147, p. 146-152 doi: 10.1016/j.bpc.2010.01.010 [Q2,30p.]

42. S. FICARRA, **TELLONE E.**, B. GIARDINA, R. SCATENA, A. RUSSO, F. MISITI, M.E. CLEMENTI, D. COLUCCI, E. BELLOCCO, G. LAGANÀ, D. BARRECA, A. GALTIERI (2009). Derangement of erythrocytic AE1 in beta-thalassemia by caspase 3: pathogenic mechanisms and implications in red blood cell senescence. THE JOURNAL OF MEMBRANE BIOLOGY, vol. 228(1); p. 43-49, ISSN: 0022-2631, doi: Doi:10.1007/s00232-009-9157-5 [Q2,30p.]
43. D. BARRECA, G. LAGANÀ, **TELLONE E.**, S. FICARRA, U. LEUZZI, A. GALTIERI, E. BELLOCCO. (2009). Influences of flavonoids on erythrocyte membrane and metabolic implication through anionic exchange modulation. THE JOURNAL OF MEMBRANE BIOLOGY, vol. 230(3); p. 163-171, ISSN: 0022-2631, doi: 10.1007/s00232-009-9197-x [Q2,30p.]
44. E. BELLOCCO, D. BARRECA, G LAGANÀ, U. LEUZZI, **TELLONE E.**, S. FICARRA, A. KOTYK, A. GALTIERI (2009). Influence of L-rhamnosyl-D-glucosyl derivatives on properties and biological interaction of flavonoids. MOLECULAR AND CELLULAR BIOCHEMISTRY, vol. 321(1-2); p. 165-171, ISSN: 0300-8177, doi: doi:10.1007/s11010-008-9930-2. [Q2]
45. BELLOCCO E, BARRECA D, LAGANÀ G, **TELLONE E.**, FICARRA S, MIGLIARDO F, LEUZZI U, MAGAZÙ S, GALTIERI A (2008). Influences of temperature, threshold effect of NaCl concentration on *Alpias vulpinus* OCT. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol. 43(5); p. 474-480, ISSN: 0141-8130 [Q2,30p.]
46. MISITI F., ORSINI F., CLEMENTI M.E., MASALA D., **TELLONE E.**, GALTIERI A., GIARDINA B. (2008). Amyloid peptide inhibits ATP release from human erythrocytes. BIOCHEMISTRY AND CELL BIOLOGY-BIOCHIMIE ET BIOLOGIE CELLULAIRE, vol. 86(6); p. 501-508, ISSN: 0829-8211 [Q3]
47. RUSSO A, **TELLONE E.**, FICARRA S, GIARDINA B, BELLOCCO E, LAGANA'G, LEUZZI U, KOTYK A, GALTIERI A (2008). Band 3 protein function in teleost fish erythrocytes: effect of oxygenation-deoxygenation. PHYSIOLOGICAL RESEARCH, vol. 57; p. 49-54, ISSN: 0862-8408 [Q3,20p.]
48. **TELLONE E.**, FICARRA S, SCATENA R, GIARDINA B, KOTYK A, RUSSO A, COLUCCI D, BELLOCCO E, LAGANA'G, GALTIERI A (2008). Influence of gemfibrozil on sulfate transport in human erythrocytes during the oxygenation-deoxygenation cycle. PHYSIOLOGICAL RESEARCH, vol. 57; p. 621-629, ISSN: 0862-8408 [Q3,20p.,6.00]
49. **TELLONE E.**, FICARRA S., GIARDINA B., SCATENA R., RUSSO A., CLEMENTI M.E., MISITI F., BELLOCCO E. AND GALTIERI A. (2008). Oxidative Effects Of Gemfibrozil On Anion Influx And Metabolism In Normal And Beta-Thalassaemic Erythrocytes, Physiological Implications. THE JOURNAL OF MEMBRANE BIOLOGY, vol. 224(1-3); p. 1-8, ISSN: 0022-2631 [Q2,30p.,10.00]
50. LAGANA' G, BELLOCCO E, MANNUCCI C, LEUZZI U, **TELLONE E**, KOTYK A, GALTIERI A (2006). Enzymatic urea adaption: lactate and malate dehydrogenase in

elasmobranchs. *PHYSIOLOGICAL RESEARCH*, vol. 55, p. 675-688, ISSN: 0862-8408 [Q3,20p.]

51. BELLOCCO E, LAGANA' G, BARRECA D, FICARRA S, **TELLONE E.**, MAGAZU' S, BRANCA C, KOTYK A, GALTIERI A, LEUZZI U (2005). Role of polyols in thermal inactivation of shark ornithine transcarbamoylase. *PHYSIOLOGICAL RESEARCH*, vol. 54, p. 395-402, ISSN: 0862-8408 [Q3,20p.]
52. GALTIERI A, **TELLONE E.**, ROMANO L, MISITI F, BELLOCCO E, FICARRA S, RUSSO A., DI ROSA D, CASTAGNOLA M, GIARDINA B, MESSANA I (2002). Band-3 protein function in human erythrocytes: effect of oxygenation-deoxygenation. *BIOCHIMICA ET BIOPHYSICA ACTA*, vol. 1564, p. 214-218, ISSN: 0006-3002 [Q1,40p]
53. BELLOCCO E, DI SALVO C, LAGANA' G., LEUZZI U, **TELLONE E.**, KOTYK A, GALTIERI A (2002). Purification and properties of ornithine carbamoyltransferase from loggerhead turtle liver. *PHYSIOLOGICAL RESEARCH*, vol. 51, p. 151-158, ISSN: 0862-8408 [Q3,20p.]
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55. CLEMENTI M.E., CATALDI E., CAPO C., PETRUZZELLI R., **TELLONE E.** AND GIARDINA B. (1999). Purification and characterization of the hemoglobin components of Adriatic sturgeon (*Acipenser naccarii*) blood. *J. APPL. ICHTHYOL.* 15, 78-80.
56. DE ROSA M.C., SANNA M.T., MESSANA I., CASTAGNOLA M., GALTIERI A., **TELLONE E.**, SCATENA R., BOTTA B., BOTTA M., GIARDINA B. (1998). Glycated human hemoglobin (HbA(1c)): functional characteristics and molecular modeling studies. *BIOPHYSICAL CHEMISTRY*, vol. 72, p. 323-335, ISSN: 0301-4622, doi: 10.1016/S0301-4622(98)00117-3. [Q2,30p.]

### Contributions in books (Chapter)

**E. TELLONE**, A. GALTIERI, D. BARRECA, S. FICARRA (2019) Chapter 2.8: Coenzyme Q10 and Embelin, Nonvitamin and Nonmineral Nutritional Supplements Pages 69-73.

**E. TELLONE**, A. GALTIERI, A. RUSSO, D. BARRECA, S. FICARRA (2019) Chapter 2.13: Resveratrol, Nonvitamin and Nonmineral Nutritional Supplements Pages 107-110.

BARRECA D, BELLOCCO E, FICARRA S., LAGANA' G., GALTIERI A, **TELLONE E.**, GATTUSO G. (2018) Analysis of C -Glycosyl Flavones and 3-Hydroxy-3-methylglutaryl-glycosyl Derivatives in Blood Oranges ( *Citrus sinensis* (L.) Osbeck) Juices and Their Influence on Biological Activity. In book: *Advances in Plant Phenolics: From Chemistry to Human Health*, Chapter 4, pp 67–80. ACS Symposium Series, Vol. 1286. DOI: 10.1021/bk-2018-1286.ch004

**TELLONE E**, GALTIERI A, GIARDINA B, RUSSO A, BELLOCCO E, BARRECA D, FICARRA S. (2014). Antioxidant activity of caffeine: a focus on human red blood cells and correlations with several neurodegenerative disorders. COFFEE IN HEALTH AND DISEASE PREVENTION. Victor R. Preedy (edit.) Elsevier Inc. doi.org/10.1016/B978-0-12-409517-5.00092-9

**TELLONE E.**, CLEMENTI M.E., RUSSO A.M., FICARRA S., LANIA A., LUPI A., GIARDINA B., GALTIERI A. (2000). Oxygen transport and diving behaviour: the hemoglobin from Dolphin *Tursiops truncatus*. In: "Hemoglobin function in Vertebrates", pg 77-82 Edited by Springer-Verlag 2000.

GATTUSO M., CARISTI C., DE GREGORIO A., LEUZZI U., LO CURTO R., **TELLONE E.**, TRIPODO M. (1997). RSU nelle Isole Eolie: Valutazione on-site della carica batterica in discarica mediante determinazione dell'adenosina-5'-trifosfato (ATP) per bioluminescenza. In: A. FRIGERIO E M. SCHIEPPATI. "Rifiuti". p. 143R-146R, MILANO:GSIR.

#### **Abstracts in Conferences:**

FICARRA S.; RUSSO A.; STEFANIZZI F.; MILETO M.; BARRECA D.; BELLOCCO E.; LAGANÀ G.; LEUZZI U.; GIARDINA B., GALTIERI A., **TELLONE E.** (2012). La palitossina: effetti nei globuli rossi. In La tossicologia nell'era della globalizzazione: sicurezza d'uso e nuovi mercati - ISBN:0000000000

LAGANÀ G.; DI SALVO C.; BARRECA D.; FICARRA S.; **TELLONE E.**; BELLOCCO E. (2012). Structural and dynamical characterization of trehalose interaction with myelin basic protein. pp.129-129. In Bioneutron 2012 "Neutron Scattering Highlights on Water and Biological Systems" - ISBN:9788878203808.

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