

## Curriculum Vitae

Dr ESTER TELLONE

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born in Messina on 17/11/1965 Second-level Professor in the Scientific-Disciplinary Field BIO/10 (Biochemistry) at the Department of Chemical, Biological, Pharmaceutical and Environmental Sciences- ChiBioFarAm of the University of MESSINA.

### Academic titles:

03/1989 Degree in Biological Sciences

04/1990 Qualification to practice as a biologist

03/1996 Degree in Natural Sciences

### Details:

-1991 to 1993 collaboration with the Section of Environmental Chemistry of the Interdepartmental Center for Environmental Protection and Health (CIPAS)

-1993 he attended the Institute of Chemistry of the Catholic University of the Sacred Heart of Rome

-1994-1995 Operational unit in the national research project EOCUMM 94 (CoNISMA): "Environmental and marine characterization of the Aeolian system and the neighboring basins of Cefalù and Gioia (South-Eastern Tyrrhenian).

-2000 Practical theoretical course of "HPLC with HPLC/MS notes"

-AA 2001/02 - 2014/2015 professor of *Comparative Biochemistry* for the Degree Course in Biological Sciences.

-AA 2005/06 - 2009/2010 professor of *Foundations of Biochemistry of Nutrition* for the Degree Course in Biological Sciences.

-Member of the operational unit in the INNOVAQUA Project funded by PON Research & Competitiveness MIUR 2007-2013 "Technological innovation to support the increase in productivity and competitiveness of Sicilian aquaculture".

-From the AA 2007/ 2012 Member of the Board of Doctorate in Cell Biology and Biotechnology, (from XXIII to the XXVIII cycle).

-Component of the Selection Board for the Confirmation of a Research Grant (for the third year of the following four years AREA 05) - University of Messina (from 17-03-2008 to 16-04-2008).

-AA 2008/2009 - 2017/2018 professor of *Biochemistry II (L-Z)* for the Master's Degree in Biology.

-AA 2013/2014 member of the Teaching Board of the PhD in Applied Biology and Experimental Medicine, Cycle: XXIX.

- Member of the operational unit ERDF OP Project 2014/2020 - PKU-SMART SENSOR "Realization and validation of a Point-of Care system, for home-testing monitoring of phenylalanine in patients suffering from hyperphenylalaninemia".

- From 01-01-2016 to today Member of the Joint Committee of the Department of Chemical, Biological, Pharmaceutical and Environmental Sciences of the University of Messina

-AA 2017/2018 to date, Member of the Teaching Board PhD in "Applied Biology and Experimental Medicine".

- AA 2017 Funding of basic research activities (FFABR)

-AA 2018/19 -2019/20, professor of *Biochemistry (L-Z)* for the Degree Course in Biological Sciences.

-From 24/09/2018 National Scientific Qualification to the functions of First Level University Professor, in the insolvency sector 05/E1 GENERAL BIOCHEMISTRY.

- Operational unit component PON Research and Development Project "R&I" 2014 - 2020 "EOLO - Air-transport field sistEmi for pollution control", PON "R&I" 2014 - 2020 - Axis II, "Support for innovation", "Aerospace" Specialization Area.

-AA 2019/2020-2020/21 professor of *Biochemistry (A-K)* for the Degree Course in Biological Sciences.

-AA 2019/2020 professor of *Comparative Marine Biochemistry* for the BEAMC Master's Degree course in Coastal Marine Biochemistry.

-AA 2019/20 professor of *Biochemistry of Nutrition and Metabolism* for the master's degree Course in Health, Applied Technologies and Nutrition Biology (BioSalTecNut).

-AA 2020 Funding Basic Research Activities of University FFABR Unime 2020 II edition

Erythrocyte centered research activities, main themes:

Hemoglobin, correlation between structure and function in a comparative context; Band protein 3, the relationship between anionic exchange and the erythrocyte oxygenation cycle; Metabolic regulation of the red blood cell; Metabolic variations of erythrocyte induced by natural and synthetic molecules, cytofluorimetric studies; Erythrocyte as a sensor of neurodegenerative processes and study model to predict the antiproliferative and neuroprotective effects of natural and synthetic molecules; Computational simulation of molecular interactions between intraerythrocytic proteins and molecules capable of inducing metabolic variations related to apoptotic processes; Use of thermodynamics of non-equilibrium for the study of the dielectric and rheological properties of the mathematical components for the development of new diagnostic techniques; You were mentioned as a drug delivery; Sensoristic for pharmacological and diagnostic dosage.

## Elenco articoli in rivista:

1. FARSACI F, \*TELLONE E, RUSSO A, GALTIERI A, FICARRA S., (2021) Thermodynamic characterization of red blood cells suspension and Band 3 protein oxy-deoxygenating functionality: comparative study J. Non-Equilibrium Thermodynamics, Volume 46, Issue 1-3, pp.121-137  
DOI: 10.1515/jnet-2020-0009
2. FARSACI F, \*TELLONE E, GALTIERI A, FICARRA S., (2020) Thermodynamics Characterization of Lung Carcinoma, an Entropic Study and Metabolic Correlations FLUIDS 5, 164 (2020)  
DOI:10.3390/fluids5040164 WOS:000601528700001
3. FARSACI F, \*TELLONE E, RUSSO A, GALTIERI A, FICARRA S., (2020) Anion exchanger functionality and thermodynamic characterization of chicken erythrocytes J. MOL. LIQUIDS 307 (2020) 112966  
DOI: 10.1016/j.molliq.2020.112966
4. FARSACI F, \*TELLONE E, GALTIERI A, FICARRA S., (2020) A thermodynamic characterization of the phenomena evolving in cancer pathology by dielectric relaxation in blood: A new approach by construction of TTM (Thermodynamic Tumor Matrix) J. MOL. LIQUIDS 316 (2020) 113839  
DOI: 10.1016/j.molliq.2020.113839
5. \*TELLONE E, GALTIERI A, FICARRA S., (2019) Reviewing the biochemical implications of normal and mutated huntingtin in Huntington's disease CURR. MED. CHEM. 2019 Jun 20. doi: 10.2174/0929867326666190621101909. Online ahead of print. PMID: 31223078 WOS:000568761400003
6. 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
7. 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
8. 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
9. FARSACI F, \*TELLONE E, GALTIERI A, FICARRA S., (2019) A new model for thermodynamic characterization of hemoglobin FLUIDS 4(3), 135  
DOI:10.3390/fluids4030135.
10. 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

11. 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 WOS:000462101800065 SCOPUS: 2-s2.0-85061345872
12. \*TELLONE E, GALTIERI A, RUSSO A, FICARRA S, (2019) Protective effects of the caffeine against neurodegenerative diseases. *CURR. MED. CHEM.* 25, 1-13 doi: 10.2174/0929867324666171009104040
13. 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
14. FARSACI F, \*TELLONE E, GALTIERI A, FICARRA S., (2018) Molecular characterization of a peculiar blood clot fluidification by theoretical thermodynamic models and entropy production study. *J MOL LIQUIDS* 265 457–462 DOI: 10.1016/j.molliq.2018.06.032 SCOPUS: 2-s2.0-85048726113 WOS:000441854700049
15. 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
16. 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
17. 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.
18. 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
19. 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
20. 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.

21. 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 WOS:000390824800009 SCOPUS: 2-s2.0-84999041194  
Cit. SCOPUS 13
22. 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
23. 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. WOS:000383077600001 SCOPUS:2-s2.0-84987862375
24. 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. WOS:000382048800001 SCOPUS: 2-s2.0-84984670419
25. \*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.
26. 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.
27. 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. WOS:000369679700007 SCOPUS: 2-s2.0-84948457825
28. 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.
29. \*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. WOS:000357202000001 SCOPUS:2-s2.0-84935038697

30. 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. WOS:000346326100008 SCOPUS:2-s2.0-84908388655
31. 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.
32. 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
33. **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.
34. 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.
35. **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.
36. 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.
37. 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.
38. 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.
39. 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.
40. 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.

41. 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.
42. **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
43. 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-
44. 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
45. 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
46. 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
47. 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
48. 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
49. 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.
50. 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
  51. 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
  52. 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
  53. **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
  54. **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
  55. 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
  56. 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
  57. 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
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erythrocytes by capillary zone electrophoresis. ELECTROPHORESIS, vol. 21, p. 1606-1610, ISSN: 0173-0835, doi: 10.1002/(SICI)1522-2683(20000501)21:8<1606:AID-ELPS1606>3.3.CO;2-U

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61. 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.

### 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

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