

CURRICULUM VITAE di:

Nominativo	Vittorio Calabrese
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Posizione accademica

Macrosettore:	05
Settore Concorsuale:	05/E3
Settore Scientifico Disciplinare:	BIO-12
Qualifica:	Professore Ordinario
Anzianità nel ruolo:	dal 2006
Sede Universitaria:	Università di Catania
Struttura di afferenza (dipartimento o altro)	Dipartimento di Scienze Biomediche e Biotecnologiche

Posizioni ricoperte precedentemente nel medesimo ateneo o in altri

Periodo	Fascia	Ateneo
1996-2000	Ricercatore	Università di Catana
2000-2006	Professore Associato	Università di Catana
2006 ad oggi	Professore Ordinario	Università di Catana

Pubblicazioni Scientifiche

n. progr.	anno	Descrizione pubblicazione
1	2018	Calabrese EJ, Iavicoli I, Calabrese V, Cory-Slechta DA, Giordano J. (2018) Elemental mercury neurotoxicity and clinical recovery of function: A review of findings, and implications for occupational health. <i>Environ Res.</i> 9;163:134-148. doi: 10.1016/j.envres.2018.01.021.
2	2018	Trovato Salinaro A, Pennisi M, Di Paola R, Scuto M, Crupi R, Cambria MT, Ontario ML, Tomasello M, Uva M, Maiolino L, Calabrese EJ, Cuzzocrea S, Calabrese V. (2018) Neuroinflammation and neurohormesis in the pathogenesis of Alzheimer's disease and Alzheimer-linked pathologies: modulation by nutritional mushrooms. <i>Immun Ageing.</i> 2018 Feb 14;15:8. doi: 10.1186/s12979-017-0108-1.

3	2017	Peters V, Schmitt CP, Weigand T, Klingbeil K, Thiel C, van den Berg A, Calabrese V, Nawroth P, Fleming T, Forsberg E, Wagner AH, Hecker M, Vistoli G. (2017) Allosteric inhibition of carnosinase (CN1) by inducing a conformational shift. <i>J Enzyme Inhib Med Chem.</i> 32(1):1102-1110.
4	2017	Calabrese V, Santoro A, Monti D, Crupi R, Di Paola R, Latteri S, Cuzzocrea S, Zappia M, Giordano J, Calabrese EJ, Franceschi C. (2017) Aging and Parkinson's Disease: Inflammaging, neuroinflammation and biological remodelling as key factors in pathogenesis. <i>Free Radic Biol Med.</i> 115: 80-91.
5	2017	Miquel S, Champ C, Day J, Aarts E, Bahr BA, Bakker M, Bánáti D, Calabrese V, Cederholm T, Cryan J, Dye L, Farrimond JA, Korosi A, Layé S, Maudsley S, Milenkovic D, Mohajeri MH, Sijben J, Solomon A, Spencer JPE, Thuret S, Vanden Berghe W, Vauzour D, Vellas B, Wesnes K, Willatts P, Wittenberg R, Geurts L. (2017) Poor cognitive ageing: Vulnerabilities, mechanisms and the impact of nutritional interventions. <i>Ageing Res Rev.</i> 42:40-55.
6	2017	Wang D., Calabrese E.J., Lian B., Lin Z., Calabrese V. (2017) Hormesis as a mechanistic approach to understanding herbal treatments in traditional Chinese medicine. <i>Pharmacol Ther.</i> Nov 8. pii: S0163-7258(17)30263-2. doi:10.1016/j.pharmthera.2017.10.013
7	2017	Calabrese E.J., Calabrese V., Giordano J. (2017) The role of hormesis in the functional performance and protection of neural systems. <i>Brain Circulation</i> 3: 1-13.
8	2017	Calabrese V, Giordano J, Crupi R, Di Paola R, Ruggieri M, Bianchini R, Ontario ML, Cuzzocrea S, Calabrese EJ. (2017) Hormesis, cellular stress response and neuroinflammation in schizophrenia: Early onset versus late onset state. <i>J Neurosci Res.</i> 95:1182-1193.
9	2017	Paterniti I, Campolo M, Siracusa R, Cordaro M, Di Paola R, Calabrese V, Navarra M, Cuzzocrea S, Esposito E. (2017) Liver X receptors activation, through TO901317 binding, reduces neuroinflammation in Parkinson's disease. <i>PLoS One.</i> 12(4):e0174470.
10	2016	Barros A.B., Bell V., Ferrão J., Calabrese V., Fernandes T.H. (2016). Mushroom Biomass: Some Clinical Implications of β -Glucans and Enzymes. <i>Current Res. Nutrition and Food Science</i> 4: 37-47.
11	2016	Calabrese V., Crea R. (2016). Potential prevention and treatment of Neurodegenerative Diseases: Olive polyphenols and hydroxytyrosol. <i>Eur. J. Neurodegenerative Diseases</i> 5: 81-108.
12	2016	Trovato A, Siracusa R, Di Paola R, Scuto M, Ontario ML, Bua O, Di Mauro P, Toscano MA, Petralia CC, Malolino L, Serra A, Cuzzocrea S, Calabrese V. (2016) Redox modulation of cellular stress response and lipoxin A4 expression by <i>Herichium Erinaceus</i> in rat brain: relevance to Alzheimer's disease pathogenesis. <i>Immun Ageing.</i> 13:23. doi: 10.1186/s12979-016-0078-8. eCollection 2016.
13	2016	Calabrese V, Giordano J, Ruggieri M, Berritta D, Trovato A, Ontario ML, Bianchini R, Calabrese EJ. (2016) Hormesis, cellular stress response, and redox homeostasis in autism spectrum disorders. <i>J Neurosci Res.</i> 2016 Dec;94(12):1488-1498. doi: 10.1002/jnr.23893.
14	2016	Calabrese V, Giordano J, Signorile A, Laura Ontario M, Castorina S, De Pasquale C, Eckert G, Calabrese EJ. (2016) Major pathogenic mechanisms in vascular dementia: Roles of cellular stress response and hormesis in neuroprotection. <i>J Neurosci Res.</i> 94:1588-1603.
15	2016	Pennisi M, Crupi R, Di Paola R, Ontario ML, Bella R, Calabrese EJ, Crea R, Cuzzocrea S, Calabrese V. (2016) Inflammasomes, hormesis, and antioxidants in neuroinflammation: Role of NLRP3 in Alzheimer disease. <i>J Neurosci Res.</i> 2016 Nov 8. doi: 10.1002/jnr.23986.
16	2016	Calabrese EJ, Dhawan G, Kapoor R, Iavicoli I, Calabrese V. (2016) HORMESIS: A Fundamental Concept with Widespread Biological and Biomedical Applications. <i>Gerontology.</i> 62:530-535.
17	2016	Trovato A, Siracusa R, Di Paola R, Scuto M, Fronte V, Koverech G, Luca M, Serra A, Toscano MA, Petralia A, Cuzzocrea S, Calabrese V. (2016) Redox modulation of cellular stress response and lipoxin A4 expression by <i>Coriolus versicolor</i> in rat brain: Relevance to Alzheimer's disease pathogenesis. <i>Neurotoxicology.</i> 53:350-358.

18	2015	Calabrese V., Davinelli S., Luca M., Zella D., Calabrese E.J., and Scapagnini G. (2015) Inflammaging, Oxidative Stress and Carnosine: Role of Hormetic Vitagenes. In: <i>Imidazole Dipeptides : Chemistry, Analysis, Function and Effects. Food and Nutritional Components in Focus.</i> January(8), pp. 238-256. EPUB eISBN: 978-1-78262-655-8. DOI:10.1039/9781782622611-00238.
19	2015	Catino S, Paciello F, Miceli F, Rolesi R, Troiani D, Calabrese V, Santangelo R, Mancuso C. (2016) Ferulic Acid Regulates the Nrf2/Heme Oxygenase-1 System and Counteracts Trimethyltin-Induced Neuronal Damage in the Human Neuroblastoma Cell Line SH-SY5Y. <i>Front Pharmacol.</i> 8;6:305. doi: 10.3389/fphar.2015.00305.
20	2015	Calabrese EJ, Dhawan G, Kapoor R, Javicoli I, Calabrese V. (2015) What is hormesis and its relevance to healthy aging and longevity? <i>Biogerontology</i> 16:693-707.
21	2015	Dattilo S, Mancuso C, Koverech G, Di Mauro P, Ontario ML, Petralia CC, Petralia A, Maiolino L, Serra A, Calabrese EJ, Calabrese V. (2015) Heat shock proteins and hormesis in the diagnosis and treatment of neurodegenerative diseases. <i>Immun Ageing.</i> 12:20. doi: 10.1186/s12979-015-0046-8. eCollection 2015
22	2015	Amadio M, Scapagnini G, Davinelli S, Calabrese V, Govoni S, Pascale A. (2015) Involvement of ELAV RNA-binding proteins in the post-transcriptional regulation of HO-1. <i>Front Cell Neurosci.</i> 8:459. doi: 10.3389/fncel.2014.00459.
23	2015	Calabrese V, Dattilo S, Petralia A, Parenti R, Pennisi M, Koverech G, Calabrese V, Graziano A, Monte I, Maiolino L, Ferreri T, Calabrese EJ. (2015) Analytical approaches to the diagnosis and treatment of aging and aging-related disease: redox status and proteomics. <i>Free Radic Res.</i> 49: 511-524.
24	2015	Currò M, Trovato-Salinaro A, Gugliandolo A, Koverech G, Lodato F, Caccamo D, Calabrese V, Ientile R. (2015) Resveratrol protects against homocysteine-induced cell damage via cell stress response in neuroblastoma cells. <i>J Neurosci Res.</i> 93: 149-156.
25	2014	Trovato Salinaro A, Cornelius C, Koverech G, Koverech A, Scuto M, Lodato F, Fronte V, Muccilli V, Reibaldi M, Longo A, Uva MG, Calabrese V. (2014) Cellular stress response, redox status, and vitagenes in glaucoma: a systemic oxidant disorder linked to Alzheimer's disease. <i>Front Pharmacol.</i> 5:129. doi:10.3389/fphar.2014.00129. eCollection 2014.
26	2014	Cornelius C, Koverech G, Crupi R, Di Paola R, Koverech A, Lodato F, Scuto M, Salinaro AT, Cuzzocrea S, Calabrese EJ, Calabrese V. (2014) Osteoporosis and Alzheimer pathology: Role of cellular stress response and hormetic redox signaling in aging and bone remodeling. <i>Front Pharmacol.</i> 5:120. doi:10.3389/fphar.2014.00120. eCollection 2014.
27	2014	Davinelli S, Scapagnini G, Denaro F, Calabrese V, Benedetti F, Krishnan S, Curreli S, Bryant J, Zella D. (2014) Altered expression pattern of Nrf2/HO-1 axis during accelerated-senescence in HIV-1 transgenic rat. <i>Biogerontology.</i> 15: 449-461.
28	2014	Trovato Salinaro A, Cornelius C, Koverech G, Koverech A, Scuto M, Lodato F, Fronte V, Muccilli V, Reibaldi M, Longo A, Uva MG, Calabrese V. (2014) Cellular stress response, redox status, and vitagenes in glaucoma: a systemic oxidant disorder linked to Alzheimer's disease. <i>Front Pharmacol.</i> 5:129. doi:10.3389/fphar.2014.00129. eCollection 2014.
29	2014	Cornelius C, Koverech G, Crupi R, Di Paola R, Koverech A, Lodato F, Scuto M, Salinaro AT, Cuzzocrea S, Calabrese EJ, Calabrese V. (2014) Osteoporosis and Alzheimer pathology: Role of cellular stress response and hormetic redox signaling in aging and bone remodeling. <i>Front Pharmacol.</i> 5:120. doi:10.3389/fphar.2014.00120. eCollection 2014.
30	2014	Davinelli S, Scapagnini G, Denaro F, Calabrese V, Benedetti F, Krishnan S, Curreli S, Bryant J, Zella D. (2014) Altered expression pattern of Nrf2/HO-1 axis during accelerated-senescence in HIV-1 transgenic rat. <i>Biogerontology.</i> 15: 449-461.
31	2014	Calabrese V, Scapagnini G, Davinelli S, Koverech G, Koverech A, De Pasquale C, Salinaro AT, Scuto M, Calabrese EJ, Genazzani AR. (2014) Sex hormonal regulation and hormesis in aging and longevity: role of vitagenes. <i>J Cell Commun Signal.</i> 8: 369-384.

32	2014	Scapagnini G, Davinelli S, Kaneko T, Koverech G, Koverech A, Calabrese EJ, Calabrese V. (2014) Dose response biology of resveratrol in obesity. <i>J Cell Commun Signal.</i> 8: 385-391.
33	2014	Davinelli S, Calabrese V, Zella D, Scapagnini G. (2014) Epigenetic nutraceutical diets in Alzheimer's disease. <i>J Nutr Health Aging.</i> Dec;18(9):800-5. doi: 10.1007/s12603-014-0520-6. PubMed PMID: 25389957
34	2014	Edrey YH, Oddo S, Cornelius C, Caccamo A, Calabrese V, Buffenstein R. (2014) Oxidative damage and amyloid- β metabolism in brain regions of the longest-lived rodents. <i>J Neurosci Res.</i> 92: 195-205.
35	2013	Cornelius C, Graziano A, Calabrese EJ, Calabrese V. (2013) Hormesis and vitagenes in aging and longevity: mitochondrial control and hormonal regulation. <i>Horm Mol Biol Clin Investig.</i> 16:73-89.
37	2013	Cornelius C, Trovato Salinaro A, Scuto M, Fronte V, Cambria MT, Pennisi M, Bella R, Milone P, Graziano A, Crupi R, Cuzzocrea S, Pennisi G, Calabrese V. (2013) Cellular stress response, sirtuins and UCP proteins in Alzheimer disease: role of vitagenes. <i>Immun Ageing</i> 10:41. doi: 10.1186/1742-4933-10-41.
38	2013	Mancuso C, Santangelo R, Calabrese V. (2013) The heme oxygenase/biliverdin reductase system: a potential drug target in Alzheimer's disease. <i>J Biol Regul Homeost Agents.</i> 27: 75-87.
39	2013	Zhang Y., Dayalan Naidu S., R.V. Kostov, A. Pheely, V. Calabrese and A.T. Dinkova-Kostova (2013) Sulfhydryl-Reactive Phytochemicals as Dual Activators of Transcription Factors NRF2 and HSF1. In: D. R. Gang (ed.), 50 Years of Phytochemistry Research, Recent Advances in Phytochemistry 43, DOI 10.1007/978-3-319-00581-2_6, © Springer International Publishing (Switzerland).
40	2013	Calabrese EJ, Iavicoli I, Calabrese V. (2013) Hormesis: its impact on medicine and health. <i>Hum Exp Toxicol.</i> 32: 120-152.
41	2013	Calabrese EJ, Calabrese V. (2013) Reduction of arthritic symptoms by low dose radiation therapy (LD-RT) is associated with an anti-inflammatory phenotype. <i>Int J Radiat Biol.</i> 89: 278-286.
42	2013	Calabrese EJ, Calabrese V. (2013) Low dose radiation therapy (LD-RT) is effective in the treatment of arthritis: animal model findings. <i>Int J Radiat Biol.</i> 89: 287-294.
43	2013	Cornelius C, Crupi R, Calabrese V, Graziano A, Milone P, Pennisi G, Radak Z, Calabrese EJ, Cuzzocrea S. (2013) Traumatic Brain Injury: Oxidative Stress and Neuroprotection. <i>Antioxid Redox Signal.</i> 19: 836-853.
44	2013	Cornelius C, Perrotta R, Graziano A, Calabrese EJ, Calabrese V. (2013) Stress responses, vitagenes and hormesis as critical determinants in aging and longevity: Mitochondria as a "chi". <i>Immun. Ageing.</i> 10:15. doi:10.1186/1742-4933-10-15.

Titoli¹

- Direzione di enti o istituti di ricerca di alta qualificazione internazionale:NO
- Responsabilità scientifica generale o di unità (work package, unità nazionale nei progetti europei o locale in quelli nazionali ecc.) per progetti di ricerca internazionali e nazionali ammessi al finanziamento sulla base di bandi competitivi che prevedano la revisione tra pari:
- FIRB: Rete nazionale Studio Proteomica Umana RBRN07 BMCT_006
- PRIN:1998,2000,2005,2010,2011
- Direzione o partecipazione a comitati di direzione di riviste Scopus/WOS o classificate da ANVUR, nonché di collane editoriali, enciclopedie e trattati di riconosciuto prestigio nel settore:
- NO

¹ In via esemplificativa sono indicate alcune voci

- Partecipazione al collegio dei docenti nell'ambito di dottorati di ricerca accreditati dal Ministero:
- Dovresti mettere se hai fatto parte di collegio di docenti dottorato
 - Membro del collegio dei docenti del dottorato dal titolo: Neurobiologia
 - Membro del collegio dei docenti del dottorato dal titolo: Basic and applied biomedical sciences
- Incarichi di insegnamento o di ricerca (fellowship) presso qualificati atenei e istituti di ricerca esteri o sovranazionali:

1987 **Post-Doctoral fellow in Neurobiology at the New York University Medical School, (N.Y.);**

1989 **Post-Doctoral fellow in Neuropharmacology at the Thomas Jefferson University Medical School (Philadelphia, PA,);**

2000-2005: **Visiting Professor University College London, Department of Neurochemistry, funded by Wellcome Trust Grant on "The role of antioxidants in L-DOPA induced damage to the Substantia Nigra".**

- Visiting Professor Northwick Park Institute for Medical Research, Department of Surgical Research, University of London;**
- Visiting Professor University of Kentucky, Department of Chemistry.**
- Visiting Professor Blanchette Rockefeller Neuroscience Institute, West Virginia University (MD).**
- Coordinator Euro-Mediterranean- Academy of Antiaging Medicine**
- Visiting Professor Biomedical Research Centre, University of Dundee (UK).**
- Visiting Professor Barshop Institute for Aging and Longevity Studies and Department of Physiology, University of Texas Health Science Center at San Antonio, TX.**

- significativi riconoscimenti per l'attività scientifica, incluse l'affiliazione ad accademie di riconosciuto prestigio nel settore e la presidenza di società scientifiche di riconosciuto prestigio:
- Membro della SIB
- Membro della SIBIOC
- Membro dell'Accademia Gioiena

- partecipazione come relatore a convegni di carattere scientifico nazionali o internazionali:
- Invited speaker all'Oxygen Club California

- direzione o partecipazione a gruppi di ricerca, nazionali o internazionali, legati a università ovvero a qualificate istituzioni pubbliche o private:

Negli anni ho diretto diversi gruppi di ricerca.

- partecipazione a comitati di redazione di riviste Scopus/WOS o classificate da ANVUR, nonché di collane editoriali, enciclopedie e trattati di riconosciuto prestigio nel settore:

1. Journal of Neuroscience Research
2. Neurochem Research
3. Antioxidant Redox Signaling
4. Journal Neurochemistry
5. Free Radical Biology Medicine
6. Current Neurovascular Disorders.
7. Antioxidant Redox Signaling
8. Journal Neuroscience Research
9. Faseb Journal
10. Journal of Biological Chemistry
11. Mechanisms of Ageing and Development

- Altri titoli che contribuiscano a una migliore definizione del profilo scientifico:
- Direttore della Scuola di Specializzazione in Patologia Clinica e Biochimica Clinica (Università di Catania e Università di Messina).
- Brevetto: Neuroprotective effects of Polyphenolic Compounds US 2004/0167217 A1

data

2.7.18

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