



CURRICULUM VITAE

PERSONAL INFORMATION	Name and Surname: Veronica Carnicelli Department: Biotechnological and Applied Clinical Sciences Address: via Vetoio snc City: L'Aquila 67100 Nation: Italy E-mail address: veronica.carnicelli@univaq.it
CURRENT POSITION	Assistant Professor of Biochemistry
EDUCATION OTHER QUALIFICATIONS	M.S. in Biological Sciences Fellowship in Organic Chemistry at CNR of Rome Fellowship in Biochemical Sciences at University of L'Aquila PhD in Enzymology at University of L'Aquila Post – doctoral in Biochemical Sciences at University La Sapienza
ACADEMIC APPOINTMENTS	2004-present: Assistant Professor of Biochemistry 23 papers in international peer- reviewed journals
TEACHING EXPERIENCE	Chemistry and Biochemistry Physical Exercise Biochemistry
RESEARCH ACTIVITIES	Signal transduction in gastrointestinal muscle cells. Protein kinase C involvement in the AZT action in hematopoietic cells. Anti-inflammatory properties of peptides in macrophages and in alveolar epithelial cells.
RESPONSIBILITY IN ACADEMIC ACTIVITIES	Member of the University disciplinary commission. Member of the Commission for Review of the degree course of Human movement and sport sciences.
EDITORIAL BOARD, EDITORIAL ACTIVITIES, SOCIETY MEMBERSHIP	Member of Italian Society of Biochemistry and Molecular Biology
SCIENTIFIC ACHIEVEMENTS BIBLIOMETRIC INDICATORS	Scopus Author ID:6602741764 http://orcid.org/0000-0003-3375-4637 (H-index=8 Scopus)



SELECTED PUBLICATIONS

- 1) A.Arcadi, S.Cacchi, **V.Carnicelli**, F.Marinelli
2-Substituted-3-acylindoles through the palladium-catalysed carbonylative cyclization of 2-alkyltrifluoroacetanilides with aryl halides and vinyl triflates. *Tetrahedron*, **50**, 437-452, 1994.
- 2) S.Cacchi, **V.Carnicelli**, F.Marinelli
Palladium-catalysed cyclization of 2-alkynylanilines to 2-substituted indoles under an acidic two-phase system. *Journal of Organometallic Chemistry*, **475**, 289-296, 1994.
- 3) I.Chiarotto, I.Chiarelli, **V.Carnicelli**, F.Marinelli, A.Arcadi
Electrochemical behaviour of Pd^{II}(PPh₃)₂Cl₂ in the presence of carbon monoxide and its use in the palladium-catalysed electrochemical formylation of iodoanisole. *Electrochimica Acta*, **41**, 2503-2509, 1996.
- 4) A. Di Giulio, **V.Carnicelli**, S.Colacicchi, G.Gualtieri
An EPR study of lipid vesicles as paramagnetic agent vectors. *Appl. Magn. Reson.*, **13**, 553-559, 1997.
- 5) C.Severi, **V.Carnicelli**, A.Di Giulio, G.Romano, A.Bozzi, A.Oratore, R.Strom, G. Delle Fave
Progression from homologous to heterologous desensitization of contraction in gastric smooth muscle cells. *The Journal of Pharmacology and Experimental Therapeutics*, **288**, 389-398, 1999.
- 6) S. Colacicchi, **V. Carnicelli**, G. Gualtieri, A. Di Giulio.
EPR study of Fremy's salt nitroxide reduction by ascorbic acid; influence of Bulk pH Values. *Research on Chemical Intermediates*, **26**, 9, 885-896, 2000.
- 7) **V. Carnicelli**, A. Di Giulio, A. Bozzi, A. Oratore, G. Romano, G. Delle Fave, R. Strom, C. Severi. Regional differences in signalling transduction pathways among smooth muscle cells from rabbit colon. *Cellular Signalling*, **12**, 683-689, 2000.
- 8) L. Onori, A. Aggio, G. Taddei, R. Ciccocioppo, C. Severi, **V. Carnicelli**, M. Tonini
Contribution of NK3 tachykinin receptors to propulsion in the rabbit distal colon. *Neurogastroenterology and Motility*, **13(3)**, 211-9, 2001.
- 9) S. Colacicchi, **V. Carnicelli**, A. Di Giulio, G. Gualtieri
EPR study of effect, induced by zidovudine (AZT), on the membrane lipid dynamics in leukemic cells. *Research on Chemical Intermediates*, **28 (2,3)**, 239-246, 2002.
- 10) G.Gualtieri, S. Colacicchi, **V. Carnicelli**, A. Di Giulio
Improvements in technical assessment and protocol for EPR evaluation of magnetic fields effects on radical pair reaction. *Biophysical Chemistry*, **114 (2-3)**, 149-155, 2005.
- 11) **V. Carnicelli**, A. Di Giulio, A. Bozzi, R. Strom, A. Oratore
Zidovudine inhibits protein kinase C activity in human chronic myeloid (K562) cells. *Basic & Clinical Pharmacology & Toxicology*, **99**, 317-322, 2006
- 12) A. R. Lizzi, **V. Carnicelli**, M. M. Clarkson, A. Di Giulio, A. Oratore.
Lactoferrin derived peptides: mechanisms of action and their perspectives



as antimicrobial and antitumoral agents. *Mini Review in Medicinal Chemistry*, **9(6)**, 687-95, 2009.

13) N. Catallo, S. Colacicchi, **V. Carnicelli**, A. Di Giulio, F. Lucari, G. Gualtieri. Static magnetic field influence on the Fremy's salt - ascorbic acid chemical reaction studied by EPR-CW measurement. *Journal of Physical Chemistry*, **114 (2)**, 778-83, 2010.

14) C. Falciani, L. Lozzi, S. Pollini, V. Luca, **V. Carnicelli**, J. Brunetti, B. Lelli, S. Bindi, S. Scali, A. Di Giulio, G.M. Rossolini, M.L. Mangoni, L. Bracci, A. Pini. Isomerization of an antimicrobial peptide broadens antimicrobial spectrum to gram-positive bacterial pathogens. *PLoSOne*, **7(10)**, 2012.

15) **V. Carnicelli**, A.R. Lizzi, A. Ponzi, G. Amicosante, A. Bozzi, A. Di Giulio. Interaction between antimicrobial peptides (AMPs) and their primary target, the biomembranes. In: A. Méndez-Vilas Microbial pathogens and strategies for combating them: science, technology and education. MICROBIOLOGY BOOK SERIES, vol. 2, 1123-1134, 06002 BADAJOZ, ZURBARAN 1-2, O: FORMATEX Research Center; ISBN 978-84-942134-0-3.

16) **V. Carnicelli**, A.R. Lizzi, G. Gualtieri, A. Bozzi, N. Franceschini, A. Di Giulio. Effects of azidothymidine on protein kinase C activity and expression in erythroleukemic cell K562 and acute lymphoblastic leukemia cell HSB-2. *Acta Biochimica et Biophysica Sinica*, **47(4)**, 278-84, 2015. ISSN: 1672-9145.

17) A.R. Lizzi, **V. Carnicelli**, M. Clarkson, C. Nazzicone, B. Segatore, G. Celenza, M. Aschi, V. Dolo, R. Strom, and G. Amicosante. Bovine lactoferrin and its tryptic peptides: antibacterial activity against different species. *Applied Biochemistry and Microbiology*, **52(4)**, 435-440, 2016.

18) C. Luzi, F. Brisdelli, Fabrizia, R. Iorio, A. Bozzi, **V. Carnicelli**, A. Di Giulio and A.R. Lizzi. Apoptotic effects of bovine apo-lactoferrin on HeLa tumour cells. *Cell Biochem Function*, **35(1)**, 33-41, 2017. doi: 10.1002/cbf.324.

19) S. Di Marco, **V. Carnicelli**, N. Franceschini, M. Di Paolo, M. Piccardi, S. Bisti, B. Falsini

Saffron: A Multitask Neuroprotective Agent for Retinal Degenerative Diseases. *Antioxidants*, **8,224**, 2019. doi: 10.3390/antiox8070224.

20) F. Cappiello, D. Ranieri, **V. Carnicelli**, B. Casciaro, H. Chen, L. Ferrera, Y.P. Di, M.L. Mangoni. Bronchial epithelium repair by Esculentin-1a-derived antimicrobial peptides: involvement of metalloproteinase-9 and interleukin-8, and evaluation of peptides' immunogenicity. *Sci. Report* **12, 9(1)**, 18988, 2019. doi: 10.1038/s41598-019-55426-x.

21) T. Cafaro, **V. Carnicelli**, G. Caprioli, F. Maggi, G. Celenza, Mariagrazia Perilli, A. Bozzi, G. Amicosante, F. Brisdelli. Anti-apoptotic and anti-inflammatory activity of Gentiana lutea root extract. *Advanced in traditional medicine*, **20(4)**, 619-630, (2020). doi: 10.1007/s13596-020-004475.

22) J. Brunetti[#], **V. Carnicelli**[#], A. Ponzi, A. Di Giulio, A.R. Lizzi, L. Cristiano, L. Cresti, G. Cappello, S. Pollini, L. Mosconi, Gian Maria Rossolini, L. Bracci, C. Falciani, A. Pini. Antibacterial and anti-inflammatory activity of an antimicrobial peptide synthesized with D aminoacids. *Antibiotics* **9(12)**, 840, 2020. doi: 10.3390/antibiotics9120840.

23) F. Cappiello, **V. Carnicelli**, B. Casciaro, M.L. Mangoni. Antipseudomonal



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