



Dr. Angela Amoresano

Dr. Angela Amoresano got her degree in Chemistry at the University of Naples in 1994.

1995 - Consiglio Nazionale delle Ricerche fellow, Servizio di Spettrometria di Massa CNR-Università di Napoli "Federico II";

1996 - Istituto Ricerche di Biologia Molecolare (IRBM) "P. Angeletti" fellow, Servizio di Spettrometria di Massa CNR-Università di Napoli "Federico II";

1997 - Università degli Studi di Napoli "Federico II" fellow, Servizio di Spettrometria di Massa CNR-Università di Napoli "Federico II";

1997 - 1999 "Collaboratore scientifico, "Biotecnologie Mediche ed Agroalimentari" del PST dell'Area Metropolitana di Napoli, CEINGE Biotecnologie Avanzate s.c.a.r.l. ;

1999-2000 "Assegnista di ricerca", Department of Organic Chemistry and Biochemistry, University of Napoli;

2000-2003 PHD in Scienze Chimiche, Department of Organic Chemistry and Biochemistry, University of Napoli, Prof. P. Pucci;

2001 – Visiting scientist at Biochemistry and Engineering Laboratory, Prof. J. Van Beeumen, Gent University, Belgium.

1/11/2001-at present - Assistant Professor at the Department of Organic Chemistry and Biochemistry, Faculty of Biotechnological Sciences, University of Napoli;

2001-at present - Temporary Professor of Bioanalytical Chemistry, Biotechnological Sciences, University of Napoli "Federico II"

2006-2014- Temporary Professor of protein Chemistry and Proteomics, Biotechnological Sciences, University of Napoli "Federico II".

Her scientific activity has been mainly devoted to the structural characterization of natural and recombinant proteins, including glycoproteins, and to expression and functional proteomics using integrated strategies that combine protein chemistry procedures with mass spectrometric methodologies. Moreover she is involved in the characterization of contaminants and pollutants even in trace in different biological and environmental matrices. Author of 109 publications in international journals (peer review) available on PubMed. The impact and the quality of publications are documented by the Impact factor of journals, number of citations, and participation in several national and international conferences.

She has been recipient of research grants from national institutions (MIUR, Minister of Health).

She was consultant and collaborator of public and private enterprises in the biotechnological and pharmaceutical fields (Unirelab, Menarini).

2007-at present: Responsible of the Environmental Analytical Chemistry facility at the Chemical Sciences Department, University of Napoli "Federico II" .

Selected publication (5 years)

Cross-species toxicogenomic analyses and phenotypic anchoring in response to groundwater low-level pollution.

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Analysis of the role of O-glycosylation in GH51 α -L-arabinofuranosidase from *Pleurotus ostreatus*.

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Marotta P, Amendola E, Scarfò M, De Luca P, Zoppoli P, Amoresano A, De Felice M, Di Lauro R.

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Dev Cell. 2014 Jun 23;29(6):686-700.

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Mol Biosyst. 2014 Jun;10(6):1272-80.

A proteomic approach to investigate the effects of cadmium and lead on human primary renal cells.

Galano E, Arciello A, Piccoli R, Monti DM, Amoresano A.

Metallomics. 2014 Mar;6(3):587-97.

Reply to Ira Rabin's Comment on our paper Rasmussen et al.(2012)

Kaare Lund Rasmussen, Anna Lluveras Tenorio, Ilaria Bonaduce, Maria Perla Colombini, Leila Birolo, Eugenio Galano, Angela Amoresano, Greg Doudna, Andrew D Bond, Vincenzo Palleschi, Giulia Lorenzetti, Stefano Legnaioli, Johannes van der Plicht, Jan Gunneweg
Journal of Archaeological Science, 2014, 43, 155-158

The identification and molecular characterization of the first archaeal bifunctional exo- β -glucosidase/N-acetyl- β -glucosaminidase demonstrate that family GH116 is made of three functionally distinct subfamilies.

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Glycoconj J. 2013 Apr;30(3):205-25.

A family GH51 α -L-arabinofuranosidase from *Pleurotus ostreatus*: identification, recombinant
expression and characterization.
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Apolipoprotein A-I amyloidogenic variant L174S, expressed and isolated from stably transfected
mammalian cells, is associated with fatty acids.
Monti DM, Di Gaetano S, Del Giudice R, Giangrande C, Amoresano A, Monti M, Arciello A, Piccoli R.
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of specific genes.
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Identification of DeltaNp63alpha protein interactions by mass spectrometry.
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J Proteome Res. 2010 Apr 5;9(4):2042-8.

PhAP protease from *Pseudoalteromonas haloplanktis* TAC125: gene cloning, recombinant production in *E. coli* and enzyme characterization.
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