

# CURRICULUM VITAE del Prof. Cosimino Malitesta

(secondo il formato utilizzato per ASN)

## Posizione accademica

**Settore Concorsuale** dal 31/10/2011 03/A1 - CHIMICA ANALITICA

**Settore Scientifico Disciplinare** dal 01/11/2000 CHIM/01 - CHIMICA ANALITICA

**Qualifica** Professore Ordinario

**Anzianità nel ruolo di professore di I fascia**

01/11/2001

**Sede universitaria** Università degli Studi del SALENTO

**Dipartimento** Dipartimento di SCIENZE E TECNOLOGIE BIOLOGICHE ED AMBIENTALI

## Posizioni ricoperte precedentemente nel medesimo ateneo o in altri:

dal 08/10/1987 Ricercatore Universitario Università degli Studi della BASILICATA

dal 05/11/1988 Ricercatore Universitario Università degli Studi di BARI ALDO MORO

dal 01/11/1992 Professore II Fascia Università degli Studi di BARI ALDO MORO

dal 01/11/2001 Professore I Fascia Università degli Studi del SALENTO

## Temi principali di ricerca

- Sensori chimici biomimetici e biosensori
- Chimica Analitica dei materiali e dei nanomateriali
- Chimica Analitica delle superfici, con particolare riferimento alla spettroscopia XPS
- Molecular Imprinting Technology

## Pubblicazioni scientifiche

### Pubblicazioni principali

2014 – Articolo su rivista

Giuseppe E. De Benedetto, Daniela Fico, Antonio Pennetta, Cosimino Malitesta, Giuseppe Nicolardi, Dario Domenico Lofrumento, Francesco De Nuccio, Velia La Pesa (2014).

A rapid and simple method for the determination of 3,4-dihydroxyphenylacetic acid, norepinephrine, dopamine, and serotonin in mouse brain homogenate by HPLC with fluorimetric detection.

JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS (ISSN: 0731-7085) pp. 266 - 270 Vol. 98,

2014 – Articolo su rivista

Myriam Díaz-Álvarez, Elisabetta Mazzotta, Cosimino Malitesta, Antonio Martín-Esteban (2014). Evaluation of electrochemically synthesized sulfadimethoxine-imprinted polymer for solid-phase microextraction of sulphonamides

JOURNAL OF MOLECULAR RECOGNITION (ISSN:0952-3499) Vol. 27, pp. 415 - 420

2014 – Articolo su rivista

Maria Rachele Guascito, Daniela Chirizzi, Cosimino Malitesta, Livia Giotta, Disma Mastrogiacomo, Ludovico Valli, Loredana Stabili (2014). Development and characterization of a novel bioactive polymer with antibacterial and lysozyme-like activity

BIOPOLYMERS (ISSN:0006-3525) Vol. 101, pp. 461 - 470

2014- Articolo su rivista

M. R. Guascito, E. Mesto, C. Malitesta, R. Picca, F. Scordari (2014). The effect of XPS background removing method on the appraisal of Ti and Fe: The case of phlogopites and brookite

AMERICAN MINERALOGIST (ISSN:0003-004X) Vol. 99, pp. 139 - 148

2014 – Articolo su rivista

Rosaria Anna Picca, Cosimino Malitesta, Reza Mohammadi, Fatemeh Ghorbani, Börje Sellergren (2014). Novel Format of Molecularly Imprinted Polymers for the Development of Electrochemical Sensors

LECTURE NOTES IN ELECTRICAL ENGINEERING (ISSN:1876-1100) Vol. 162, pp. 165 - 169

2014 – Articolo su rivista

Chirizzi, D., Guascito, M.R., Malitesta, C., Stabili, L.  
Spectroscopic characterization of a new antibacterial material for sensing applications  
(2014) Lecture Notes in Electrical Engineering (ISSN: 1876-1100), 162 LNEE, pp. 159-164.

2014 – Articolo su rivista

Chirizzi, D., Guascito, M.R., Picca, R.A., Malitesta, C., Siciliano, M., Siciliano, T., Tepore, A.  
Development and spectroscopic characterization of TeO<sub>2</sub>-NWs for amperometric detection of H<sub>2</sub>O<sub>2</sub>  
(2014) Lecture Notes in Electrical Engineering (ISSN: 1876-1100), 162 LNEE, pp. 465-469

2013 – Contributo in atti di convegno

Guascito, M.R., Ielpo, P., Cesari, D., Genga, A., Malitesta, C., Picca, R.A., Chirizzi, D., Contini, D. (2013)  
Application of XPS surface analysis for characterization of size-segregated particulate matter from a urban  
background site in Lecce  
4th IMEKO TC19 Symposium on Environmental Instrumentation and Measurements 2013: Protection  
Environment, Climate Changes and Pollution Control (ISBN: 978-162993106-7), pp. 68-71.

2013 - Articolo su rivista

H. Xu, R. A. Picca, L. D. Marco, C. Carlucci, A. Scrascia, P. Papadia, B. F. Scremin, E. Carlino,  
C. Giannini, C. Malitesta, M. Mazzeo, G. Gigli, G. Ciccarella (2013). Nonhydrolytic Route  
to Boron-Doped TiO<sub>2</sub> Nanocrystals.  
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY (ISSN:1099-0682) 3, pp. 364-374

2013 – Articolo su rivista

E. Mazzotta, C. Malitesta, E. Margapoti (2013). Direct electrochemical detection of bisphenol A at PEDOT-modified  
glassy carbon electrodes  
ANALYTICAL AND BIOANALYTICAL CHEMISTRY (ISSN:1618-2642) Vol. 405, pp. 3587 - 3592

2013 – Articolo su rivista

Cosimino Malitesta, Maria Rachele Guascito, Elisabetta Mazzotta, Tiziana Siciliano,  
Antonio Tepore (2013). Copper nanoparticles/poly-3-methylthiophene composite:  
Synthesis, characterization and catalytic application to enzyme-less glucose detecting  
SENSORS AND ACTUATORS. B, CHEMICAL (ISSN:0925-4005) Vol. 184, pp. 70 – 77

2013 – Articolo in rivista

Maria Rachele Guascito, Daniela Chirizzi, Cosimino Malitesta, Tiziana Siciliano, Antonio Tepore (2013). Te oxide  
nanowires as advanced materials for amperometric nonenzymatic hydrogen peroxide sensing  
TALANTA (ISSN:0039-9140) Vol. 115, pp. 863 - 869

2013 – Contributo in atti di convegno

Elisabetta Mazzotta, Cosimino Malitesta, Salvatore Surdo, Giuseppe Barillaro (2013).  
Microstructuring conducting polymers and molecularly imprinted polymers by lightactivated electropolymerization  
on micromachined silicon. Applications in electrochemical sensing  
12th IEEE SENSORS 2013 Conference; Baltimore, MD; United States; 4 November 2013 through 6  
November 2013  
2013 IEEE SENSORS - Proceedings (ISBN: 978-146734640-5 )Article number 6688482

2012 - Articolo in rivista

*S. Surdo, L. M. Strambini, C. Malitesta, E. Mazzotta, G. Barillaro (2012). Highly Conformal Growth of  
Microstructured Polypyrrole Films by Electrosynthesis on Micromachined Silicon Substrates.  
ELECTROCHEMISTRY COMMUNICATIONS, vol. 14, p. 1-4, ISSN: 1388-2481*

2012 - Articolo in rivista

*M. R. Guascito, C. Malitesta, L. Sabbatini (2012). Nucleation and Growth of Copper particles on Pt and  
Pt/Poly-3-Methylthiophene Modified Electrode in Presence of Cl<sup>-</sup> Complexing Agent . MATERIALS  
CHEMISTRY AND PHYSICS, vol. 131 , p. 719-727, ISSN: 0254-0584, doi:  
10.1016/j.matchemphys.2011.10.041*

2012 - Articolo in rivista

*Elisabetta Mazzotta, Cosimino Malitesta, Myriam Díaz-Álvarez, Antonio Martin-Esteban (2012). Electrosynthesis of molecularly imprinted polypyrrole for the antibiotic levofloxacin. THIN SOLID FILMS, vol. 520, p. 1938-1943, ISSN: 0040-6090, doi: 10.1016/j.tsf.2011.09.039*  
2012 - Articolo in rivista

*Cosimino Malitesta, Elisabetta Mazzotta, Rosaria A. Picca, Alessandro Poma, Iva Chianella, Sergey A. Piletsky (2012). MIP sensors - the electrochemical approach. ANALYTICAL AND BIOANALYTICAL CHEMISTRY, vol. 402, p. 1827-1846, ISSN: 1618-2642, doi: 10.1007/s00216-011-5405-5*  
2012 - Articolo in rivista

*Cosimino Malitesta, Rosaria Anna Picca, Elisabetta Mazzotta, Maria Rachele Guascito (2012). Tools for the development of electrochemical sensors: an EQCM flow cell with flow focusing. ELECTROANALYSIS, vol. 24, p. 790-797, ISSN: 1040-0397, doi: 10.1002/elan.201100559*  
2012 - Articolo in rivista

*Maria Rachele Guascito, Daniela Chirizzi, Cosimino Malitesta, Maria Siciliano, Tiziana Siciliano, Antonio Tepore (2012). Amperometric non-enzymatic bimetallic glucose sensor based on platinum tellurium microtubes modified electrode.. ELECTROCHEMISTRY COMMUNICATIONS, vol. 22, p. 45-48, ISSN: 1388-2481, doi: 10.1016/j.elecom.2012.05.024*  
2011 - Articolo in rivista

*M. R. Guascito, D. Chirizzi, C. Malitesta, E. Mazzotta. (2011). Mediator-free amperometric glucose biosensor based on glucose oxidase entrapped in poly(vinyl alcohol) matrix. ANALYST, vol. 136 (1), p. 164 -173, ISSN: 0003-2654*  
2011 - Articolo in rivista

*Maria Rachele Guascito, Daniela Chirizzi, Cosimino Malitesta, Elisabetta Mazzotta, Rosaria Anna Picca (2011). Ag Nanoparticles Capped by a Nontoxic Polymer: Electrochemical and Spectroscopic Characterization of a Novel Nanomaterial for Glucose Detection . MATERIALS SCIENCE AND ENGINEERING. C, BIOMIMETIC MATERIALS, SENSORS AND SYSTEMS, vol. 31, p. 606-611, ISSN: 0928-4931*  
2011 - Articolo in rivista

*Daniela Chirizzi, Cosimino Malitesta (2011). POTENTIOMETRIC UREA BIOSENSOR BASED ON UREASE IMMOBILIZED BY AN ELECTROSYNTHESIZED POLY(o-PHENYLENEDIAMINE) FILM WITH BUFFERING CAPABILITY. SENSORS AND ACTUATORS. B, CHEMICAL, vol. 157, p. 211-215, ISSN: 0925-4005*  
2011 - Articolo in rivista

*M.R. Guascito, D. Chirizzi, C. Malitesta, E. Mazzotta, M. Siciliano, T. Siciliano, A. Tepore, A. Turco (2011). Low-Potential Sensitive H<sub>2</sub>O<sub>2</sub> Detection Based on Composite Micro Tubular Te Adsorbed on Platinum Electrode. BIOSENSORS & BIOELECTRONICS, vol. 26, p. 3562-3569, ISSN: 0956-5663*  
2011 - Contributo in Atti di convegno

*Elisabetta Mazzotta, Cosimino Malitesta, Salvatore Surdo, Lucanos Marsilio Strambini, Giuseppe Barillaro (2011). Technology, Characterization and Preliminary Sensing Application of Photoelectrosynthesized Polypyrrole on Microstructured Silicon. In: -. IEEE SENSORS 2011 PROCEEDINGS. LIMERICK, IRELAND, 28-31, OCTOBER 2011, p. 1153-1156, Piscataway, NJ USA:IEEE, ISBN: 9781424492886*  
2011 - Articolo in rivista

*E. Mazzotta, C. Malitesta (2011). Electrochemically Synthesized Molecularly Imprinted Polymers for Sensing Applications. LECTURE NOTES IN ELECTRICAL ENGINEERING, vol. 91, p. 409-413, ISSN: 1876-1100*  
2011 - Articolo in rivista

*D. Chirizzi, C. Malitesta (2011). A New Potentiometric Urea Biosensor Based on Urease Immobilized in*

*Electrosynthesised Poly(o-Phenylenediamine)*. LECTURE NOTES IN ELECTRICAL ENGINEERING, vol. 91, p. 335-338, ISSN: 1876-1100

2011 - Articolo in rivista

D. Chirizzi, M. R. Guascito, C. Malitesta, E. Mazzotta (2011). *Electrochemical and Spectroscopic Characterization of Glucose Oxidase Immobilized in Polyvinyl Alcohol and Applications in Glucose Detection*. LECTURE NOTES IN ELECTRICAL ENGINEERING, vol. 91, p. 339-343, ISSN: 1876-1100

2010 - Articolo in rivista

Mazzotta E., Malitesta C. (2010). *Electrochemical detection of the toxic organohalide 2,4-DB using a Co-porphyrin based electrosynthesized molecularly imprinted polymer*. SENSORS AND ACTUATORS. B, CHEMICAL, vol. 148, p. 186-194, ISSN: 0925-4005, doi: 10.1016/j.snb.2010.03.089

2010 - Articolo in rivista

Cosimino Malitesta, Maria Rachele Guascito, Elisabetta Mazzotta, Rosaria Anna Picca (2010). *X-RAY PHOTOELECTRON SPECTROSCOPY CHARACTERIZATION OF ELECTROSYNTHESIZED POLY(3-THIOPHENE ACETIC ACID) AND ITS APPLICATION IN MOLECULARLY IMPRINTED POLYMERS FOR ATRAZINE*. THIN SOLID FILMS, vol. 518, p. 3705-3709, ISSN: 0040-6090

2009 - Articolo in rivista

GABRIELE GIANCANE, MARIA RACHELE GUASCITO, COSIMINO MALITESTA, ELISABETTA MAZZOTTA, ROSARIA ANNA PICCA, L. VALLI (2009). *QCM sensors for aqueous phenols based on active layers constituted by tetrapyrrolic macrocycle Langmuir-Blodgett films*. JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol. 13, p. 1129-1139, ISSN: 1088-4246

2009 - Articolo in rivista

M. Guascito, C. Malitesta, E. Mazzotta, A. Turco (2009). *Screen-printed glucose oxidase-based biosensor for inhibitive detection of heavy metal ions in a flow injection system*. SENSOR LETTERS, vol. 7, p. 153-159, ISSN: 1546-198X

2008 - Articolo in rivista

M. GUASCITO, C. MALITESTA, E. MAZZOTTA, A. TURCO (2008). *Inhibitive Determination Of Metal Ions By An Amperometric Glucose Oxidase Biosensor. Study Of The Effect Of Hydrogen Peroxide Decomposition*. SENSORS AND ACTUATORS. B, CHEMICAL, vol. 131/2, p. 394-402, ISSN: 0925-4005

2008 - Articolo in rivista

GARRAMONE G, PIETRANGELI D, RICCIARDI G, CONOCI S, GUASCITO M. R, MALITESTA C, CESARI D, CASILLI S, L. GIOTTA, GIANCANE G, VALLI L (2008). *Electrochemical and spectroscopic behavior of iron(III) porphyrazines in Langmuir-Schafer films*. JOURNAL OF PHYSICAL CHEMISTRY. B, CONDENSED MATTER, MATERIALS, SURFACES, INTERFACES & BIOPHYSICAL, vol. 112, p. 11517-11528, ISSN: 1520-6106

2008 - Articolo in rivista

PICCA R.A, C. MALITESTA (2008). *Spectroscopic characterisation of TiO<sub>2</sub> nanoparticles*. SENSOR LETTERS, vol. 6, p. 623-626, ISSN: 1546-198X

2008 - Articolo in rivista

E. MAZZOTTA, C. MALITESTA (2008). *Preliminary study on electrosynthesis of a Co-porphyrin based molecularly imprinted polymer for the selective detection of the herbicide 2,4-dichlorophenoxy carboxylic acid*. SENSOR LETTERS, vol. 6, p. 618-622, ISSN: 1546-198X

2008 - Articolo in rivista

M.R. GUASCITO, E. FILIPPO, C. MALITESTA, D. MANNO, A. SERRA, A. TURCO (2008). *A new amperometric nanostructured sensor for the analytical determination of hydrogen peroxide*. BIOSENSORS & BIOELECTRONICS, vol. 24, p. 1057-1063, ISSN: 0956-5663

2008 - Articolo in rivista

E. MAZZOTTA, R.A. PICCA, C. MALITESTA, S.A. PILETSKY, E.V. PILETSKA (2008). *Development of a sensor prepared by entrapment of MIP particles in electrosynthesised polymer films for electrochemical detection of ephedrine. BIOSENSORS & BIOELECTRONICS*, vol. 23, p. 1152-1156, ISSN: 0956-5663, doi: 10.1016/j.bios.2007.09.020

2008 - Contributo in Atti di convegno  
L.LONGO, G.VASAPOLLO, R.A.PICCA, C. MALITESTA (2008). *Synthesis and Selective Nucleoside Recognition of a New Substituted Zinc-phthalocyanine. In: P.SICILIANO; S.CAPONE; C. DI NATALE; A. D'AMICO. Sensors and Microsystems XI. Lecce, 8-10 febbraio 2006, p. 86-90, Singapore:World Scientific Publishing, ISBN: 9789812793386*

2008 - Contributo in Atti di convegno  
R.A.PICCA, C. MALITESTA, D.MANNO (2008). *Synthesis and Characterisation of Imprinted TiO<sub>2</sub> nanoparticles. Preliminary results. In: P.SICILIANO; S.CAPONE; C. DI NATALE; A. D'AMICO. Sensors and Microsystems XI. Lecce, 8-10 febbraio 2006, p. 287-291, Singapore:World Scientific Publishing, ISBN: 9789812793386*

2007 - Articolo in rivista  
ZATTONI A, RESCHIGLIAN P, MONTALTI M, ZACCHERONI N, PRODI L, PICCA R.A, C. MALITESTA (2007). *Characterization of titanium dioxide nanoparticles imprinted for tyrosine by flow field-flow fractionation and spectrofluorimetric analysis. INORGANICA CHIMICA ACTA*, vol. 360, p. 1063-1071, ISSN: 0020-1693, doi: 10.1016/j.ica.2006.07.088

2007 - Contributo in Atti di convegno  
D KARAMANIS, MELE G, P ASSIMAKOPOULOS, K IOANNIDES, A KATSIKIS, I LEONARDOS, C PAPADOPOULOU, K STALIKAS, K STAMOULIS, C MALITESTA, L VASANELLI, G VASAPOLLO, N. KOTSIOS, A. KOROU, K. GRINIAS, E. MELLOS (2007). *THE ECODONET PROJECT: DEVELOPMENT OF A MODEL WEB BASED VIRTUAL OBSERVATORY OF ACHERONTAS, KALAMAS AND TORRE GUACETO ECOSYSTEMS AND ITS APPLICATION AS A MOBILE EXHIBIT AND PERMANENT ENVIRONMENTAL KIOSK TOWARDS PUBLIC AWARENESS AND SUSTAINABLE DEVELOPMENT OF COASTAL ECOSYSTEMS.. In: A. Kungolos, K. Aravossis, A. Kargiannidis, P. Samaras. Proceedings of SECOTOX Confeence and the International Conference on Environmental Management Engineering, Planning and Economics. Skiathos, JUNE 24 – 28, 2007, vol. IV, p. 2909-2914, Thessaloniki:Grafima, ISBN: 9789608981812*

2006 - Articolo in rivista  
LONGO L, VASAPOLLO G, SCARDINO A, PICCA R, C MALITESTA (2006). *Synthesis of a new substituted zinc-phthalocyanine as functional monomer in the preparation of MIPs. JOURNAL OF PORPHYRINS AND PHTHALOCYANINES*, vol. 10, p. 1061-1065, ISSN: 1088-4246, doi: 10.1142/S1088424606000417

2006 - Articolo in rivista  
LUIGIA LONGO, G. VASAPOLLO, MARIA RACHELE GUASCITO, COSIMINO MALITESTA (2006). *New insights from X-ray photoelectron spectroscopy into the chemistry of covalent enzyme immobilization, with glutamate dehydrogenase (GDH) on silicon dioxide as an example. ANALYTICAL AND BIOANALYTICAL CHEMISTRY*, vol. 385, p. 146-152, ISSN: 1618-2642, doi: 10.1007/s00216-006-0398-1

2006 - Articolo in rivista  
C. MALITESTA, PICCA R.A, CICCARELLA G, SGOBBA V, BRATTOLI M (2006). *Synthesis of a Molecularly Imprinted Polymer for Dioxin. SENSORS*, vol. 6, p. 915-924, ISSN: 1424-8220

2005 - Articolo in rivista

C. MALITESTA, GUASCITO M.R. (2005). Heavy metal determination by biosensors based on enzyme immobilised by electropolymerisation.. *BIOSENSORS & BIOELECTRONICS*, vol. 20, p. 1643-1647, ISSN: 0956-5663, doi: 10.1016/j.bios.2004.08.003

2005 - Articolo in rivista

MELE G., DEL SOLE R., VASAPOLLO G., MARCI G., GARCIA-LOPEZ E., PALMISANO L., CORONADO G.M., HERNANDEZ-ALONSO M.D., MALITESTA C., GUASCITO M.R. (2005). TRMC, XPS, and EPR characterizations of polycrystalline TiO<sub>2</sub> porphyrin impregnated powders and their catalytic activity for 4-nitrophenol photodegradation in aqueous suspension. *JOURNAL OF PHYSICAL CHEMISTRY. B, CONDENSED MATTER, MATERIALS, SURFACES, INTERFACES & BIOPHYSICAL*, vol. 109(25), p. 12347-12352, ISSN: 1520-6106, doi: 10.1021/jp044253g

2005 - Contributo in Atti di convegno

L.LONGO, G.VASAPOLLO, V.LEZZI, C. MALITESTA (2005). MICROWAVE-ASSISTED EXTRACTION OF ORGANOPHOSPHORUS PESTICIDES FROM OLIVE OIL. In: C.LEONELLI; V.VERONESI. *Proceedings Book of the 10th Intl. Conference on Microwave and High Frequency Heating. Modena, 12-15 September 2005*, p. 120-123, Modena:Bertani&C. graphic industry, ISBN: 9788890180422

2005 - Articolo in rivista

LOSITO I., C. MALITESTA, DE BARI I., CALVANO C.-D. (2005). X-ray photoelectron spectroscopy characterization of poly(2,3-diaminophenazine) films electrosynthesised on platinum. *THIN SOLID FILMS*, vol. 473, p. 104-113, ISSN: 0040-6090

2004 - Articolo in rivista

E. SCHINGARO, F. SCORDARI, G. PEDRAZZI, C. MALITESTA (2004). Ti AND Fe SPECIATION BY X-RAY PHOTOELECTRON SPECTROSCOPY (XPS) AND MÖSSBAUER SPECTROSCOPY FOR A FULL CRYSTAL CHEMICAL CHARACTERISATION OF Ti-GARNETS FROM COLLI ALBANI (ITALY). *ANNALI DI CHIMICA*, vol. 94, p. 185-196, ISSN: 0003-4592

2004 - Articolo in rivista

S. CASILLI, C. MALITESTA, S. CONOCI, S. PETRALIA, S. SORTINO, L. VALLI (2004). Piezoelectric sensor functionalised by a self-assembled bipyridinium derivative: characterisation and preliminary applications in the detection of heavy metal ions. *BIOSENSORS & BIOELECTRONICS*, vol. 20, p. 1190-1195, ISSN: 0956-5663

2003 - Contributo in Atti di convegno

C. MALITESTA, L. VALLI, R.RELLA (2003). Development of a flow injection QCM system for environmental sensing and preliminary application to determination of phenols in water. In: P.SICILIANO. *New Developments on Sensors for Environmental Control. Lecce, May 27-29, 2002*, p. 203-207, Singapore:World Scientific Publishing, ISBN: 9789812383389

2003 - Contributo in Atti di convegno

C. MALITESTA, R. TAFURO, L. VALLI (2003). Detection of phenols in aqueous media via QCM chemical sensors with Langmuir-Blodgett active layers. In: DI NATALE, C., DAMICO, A., SONCINI, G., FERRARIO, L., ZEN, M.. *Sensors and Microsystems, the Italian Conference, 8th. Trento, Italy, Feb. 12-14, 2003*, p. 280-284, Singapore :World Scientific Publishing Co. Pte. Ltd., ISBN: 9812387471

2003 - Contributo in Atti di convegno

C. Malitesta, L. Valli, B. De Tommaso (2003). Characterisation of Langmuir-Blodgett films of phthalocyanines employed as recognition layers in phenol QCM sensors. In: De Palma, Mauro. *the International Workshop on Detecting Environmental, Industrial and Biomedical Signals. Bari, Italy, Oct. 11-12, 2002*, p. 105-111, Singapore:World Scientific Publishing Co. Pte. Ltd., ISBN: 9812386769

2003 - Articolo in rivista

C. Malitesta (2003). *Scientific Meeting of the Puglia Section - Sci 2002. Young people and chemical research in Puglia. LA CHIMICA E L'INDUSTRIA*, vol. 85, p. 43, ISSN: 0009-4315

2003 - Articolo in rivista

C. Malitesta (2003). *Scientific meeting of the Puglia-Sci 2000 Section. Young people and chemical research in Puglia. LA CHIMICA E L'INDUSTRIA*, vol. 85, p. 40, ISSN: 0009-4315

2002 - Articolo in rivista

C. MALITESTA, A. TEPORE, L. VALLI, A. GENGA, T. SICILIANO (2002). *X-Ray photoelectron spectroscopy characterisation of Langmuir-Blodgett films containing TiO<sub>2</sub> nanoparticles grown by room-temperature hydrolysis of TiO(C<sub>2</sub>O<sub>4</sub>)<sub>2</sub><sup>2-</sup>. THIN SOLID FILMS*, vol. 422, ISSUE: 1-2, p. 112-119, ISSN: 0040-6090

2001 - Articolo in rivista

LOSITO I., DE GIGLIO E., CIOFFI N., C. MALITESTA (2001). *Spectroscopic investigation on polymer films obtained by oxidation of o-phenylenediamine on platinum electrodes at different pHs. JOURNAL OF MATERIALS CHEMISTRY*, vol. 11, p. 1812-1817, ISSN: 0959-9428

1999 - Articolo in rivista

SABBATINI L., C. MALITESTA, DE GIGLIO E., LOSITO I., TORSI L., ZAMBONIN P.G. (1999). *Electrosynthesised thin polymer films: the role of XPS in the design of application oriented innovative materials. JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA*, vol. 100, p. 35-53, ISSN: 0368-2048

1999 - Articolo in rivista

DE BENEDETTO G.E., C. MALITESTA, PALMISANO F., ZAMBONIN P.G. (1999). *Characterization of an electro-synthesized methoxylated polypyrrole film used as permselective barrier in amperometric biosensors by X-ray photoelectron and Fourier transform infrared spectroscopy. ANALYTICA CHIMICA ACTA*, vol. 389, p. 197-204, ISSN: 0003-2670

1999 - Articolo in rivista

C. MALITESTA, LOSITO I., ZAMBONIN P.G. (1999). *Molecularly Imprinted Electrosynthesized Polymers: New Materials for Biomimetic Sensors. ANALYTICAL CHEMISTRY*, vol. 71, p. 1366-1370, ISSN: 0003-2700

1998 - Articolo in rivista

C. MALITESTA, LOSITO I., SABBATINI L., ZAMBONIN P.G. (1998). *Applicability of chemical derivatization - x-ray photoelectron spectroscopy (CD-XPS) to the characterization of complex matrixes: case of electrosynthesized polypyrroles. JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA*, vol. 97, p. 199-208, ISSN: 0368-2048

1998 - Contributo in volume (Capitolo o Saggio)

L. Sabbatini, E. D. Giglio, I. Losito, C. Malitesta (1998). *Application oriented polymer surface modifications: How to perform; how to control. In: Radu, G.L., Tanase, I., Baiulescu, G.E.. Current Trends in Analytical Chemistry. vol. 1, p. 65-76, Societatea de Chimie Analitica din Romania, ISBN: 9739854818*

1998 - Articolo in rivista

L. Torsi, C. Malitesta, L. Sabbatini, P. Zambonin, A. Dodabalapur, H. Katz (1998). *Schottky diodes and field-effect transistors based on conjugated thiophenes. MATERIALS SCIENCE AND ENGINEERING. C, BIOMIMETIC MATERIALS, SENSORS AND SYSTEMS*, vol. 5, p. 233-236, ISSN: 0928-4931

1997 - Articolo in rivista

D. Centonze, I. Losito, C. Malitesta, F. Palmisano, P. Zambonin (1997). *Electrochemical immobilisation of enzymes on conducting organic salt electrodes: characterisation of an oxygen independent and interference-free glucose biosensor. JOURNAL OF ELECTROANALYTICAL CHEMISTRY*, vol. 435, p.

103-111, ISSN: 1572-6657

1997 - Articolo in rivista

*I. Losito, E. D. Giglio, C. Malitesta, L. Sabbatini, P. G. Zambonin (1997). Chemical derivatization-XPS analysis. A global approach to the characterization of polymer surfaces. SPECTROSCOPY EUROPE, vol. 9, p. 16-20, ISSN: 0966-0941*

1996 - Articolo in rivista

*M. Guascito, P. Boffi, C. Malitesta, L. Sabbatini, P. Zambonin (1996). Conducting polymer electrodes modified by metallic species for electrocatalytic purposes - Spectroscopic and microscopic characterization. MATERIALS CHEMISTRY AND PHYSICS, vol. 44, p. 17-24, ISSN: 0254-0584*

1995 - Articolo in rivista

*F. Palmisano, C. Malitesta, D. Centonze, P.G. Zambonin (1995). Correlation between permselectivity and chemical structure of overoxidized polypyrrole membranes used in electroproduced enzyme biosensors. ANALYTICAL CHEMISTRY, vol. 67, p. 2207-2211, ISSN: 0003-2700*

1995 - Articolo in rivista

*C. Malitesta, I. Losito, L. Sabbatini, P. Zambonin (1995). New findings on polypyrrole chemical structure by XPS coupled to chemical derivatization labelling. JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA, vol. 76, p. 629-634, ISSN: 0368-2048*

1995 - Articolo in rivista

*C. MALITESTA, I. LOSITO, F. SCORDARI, E. SCHINGARO (1995). XPS INVESTIGATION OF TITANIUM IN MELANITES FROM MONTE VULTURE (ITALY). EUROPEAN JOURNAL OF MINERALOGY, vol. 7, p. 847-858, ISSN: 0935-1221*

1995 - Articolo in rivista

*F. PALMISANO, D. CENTONZE, C. MALITESTA, P. ZAMBONIN (1995). ELECTROCHEMICAL IMMOBILIZATION OF ENZYMES ON CONDUCTING ORGANIC SALT ELECTRODES - PREPARATION OF AN OXYGEN INDEPENDENT AND INTERFERENCE-FREE GLUCOSE BIOSENSOR. JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol. 381, p. 235-237, ISSN: 1572-6657*

1995 - Articolo in rivista

*C. JANSSON, S. TOUGAARD, G. BEAMSON, D. BRIGGS, S. DAVIES, A. ROSSI, R. HAUERT, G. HOBI, N. BROWN, B. MEENAN, C. ANDERSON, M. REPOUX, C. MALITESTA, L. SABBATINI (1995). INTERCOMPARISON OF ALGORITHMS FOR BACKGROUND CORRECTION IN XPS. SURFACE AND INTERFACE ANALYSIS, vol. 23, p. 484-494, ISSN: 0142-2421*

1994 - Articolo in rivista

*G. E. DEBENEDETTO, C. MALITESTA, C. G. ZAMBONIN (1994). ELECTROANALYTICAL X-RAY PHOTOELECTRON-SPECTROSCOPY INVESTIGATION ON GLUCOSE-OXIDASE ADSORBED ON PLATINUM. JOURNAL OF THE CHEMICAL SOCIETY. FARADAY TRANSACTIONS, vol. 90, p. 1495-1499, ISSN: 0956-5000*

1994 - Contributo in volume (Capitolo o Saggio)

*C. Malitesta, M. Guascito, L. Sabbatini (1994). Role of XPS in Organometallic investigations. Some recent cases of study. In: X. Trends in Organometallic Chemistry. vol. 1, p. 513-522, Research Trends (P) Ltd., Trivandrum, 695012, Kerala, India, ISBN: 8185607656*

1994 - Articolo in rivista

*D. CENTONZE, C. MALITESTA, F. PALMISANO, P. ZAMBONIN (1994). PERMEATION OF SOLUTES THROUGH AN ELECTROPOLYMERIZED ULTRATHIN POLY-O-PHENYLENEDIAMINE FILM USED AS AN ENZYME-ENTRAPPING MEMBRANE. ELECTROANALYSIS, vol. 6, p. 423-429, ISSN: 1040-0397*

1994 - Articolo in rivista

*I. Losito, C. Malitesta, L. Sabbatini, P.G. Zambonin (1994). Pristine and overoxidized polypyrrole by*



*XPS. SURFACE SCIENCE SPECTRA*, vol. 3, p. 375-383, ISSN: 1055-5269, doi: 10.1116/1.1247790  
1993 - Contributo in volume (Capitolo o Saggio)  
C. MALITESTA, MOREA G, SABBATINI L, ZAMBONIN P.G (1993). X-ray photoelectron spectroscopy analysis of conducting polymers. In: SABBATINI L; ZAMBONIN P.G.. *Surface Characterization of Advanced Polymers*. p. 181-219, WEINHEIM:VCH, ISBN: 9783527285129

1992 - Articolo in rivista  
T. ROTUNNO, C. MALITESTA, L. SABBATINI (1992). QUANTIFICATION IN SURFACE-ANALYSIS. *MICROCHEMICAL JOURNAL*, vol. 46, p. 340-345, ISSN: 0026-265X

1992 - Articolo in rivista  
L. TORSI, C. MALITESTA, F. PALMISANO, L. SABBATINI, P. ZAMBONIN, G. SCAMARCIO, M. LUGARA (1992). RECTIFYING BEHAVIOR OF THE POLYMER SEMICONDUCTOR HETEROJUNCTION - PBT(P-TYPE)/TiO<sub>2</sub>(N-TYPE). *SURFACE SCIENCE*, vol. 273, p. L409-L413, ISSN: 0039-6028

1992 - Articolo in rivista  
L. TORSI, A. GUERRIERI, C. MALITESTA, T. ROTUNNO, P. ZAMBONIN, L. BICELLI, G. RAZZINI (1992). DEVELOPMENT AND ELECTROANALYTICAL INVESTIGATION OF A NOVEL RECTIFYING SEMICONDUCTOR POLYMER INTERFACE. *JOURNAL OF THE CHEMICAL SOCIETY. FARADAY TRANSACTIONS*, vol. 88, p. 3183-3186, ISSN: 0956-5000

1992 - Articolo in rivista  
L. TORSI, C. MALITESTA, G. MOREA, L. SABBATINI, P. ZAMBONIN (1992). ANALYTICAL INVESTIGATION ON ELECTROSYNTHETIZED POLYMER SILICON INTERFACES. *ANNALI DI CHIMICA*, vol. 82, p. 259-274, ISSN: 0003-4592

1992 - Articolo in rivista  
D. CENTONZE, A. GUERRIERI, C. MALITESTA, F. PALMISANO, P. ZAMBONIN (1992). AN INSITU ELECTROSYNTHESIZED POLY-ORTHO-PHENYLENEDIAMINE GLUCOSE-OXIDASE AMPEROMETRIC BIOSENSOR FOR FLOW-INJECTION DETERMINATION OF GLUCOSE IN SERUM. *ANNALI DI CHIMICA*, vol. 82, p. 219-234, ISSN: 0003-4592

1992 - Articolo in rivista  
D. CENTONZE, A. GUERRIERI, C. MALITESTA, F. PALMISANO, P. ZAMBONIN (1992). INTERFERENCE-FREE GLUCOSE SENSOR BASED ON GLUCOSE-OXIDASE IMMOBILIZED IN AN OVEROXIDIZED NONCONDUCTING POLYPYRROLE FILM. *FRESENIUS JOURNAL OF ANALYTICAL CHEMISTRY*, vol. 342, p. 729-733, ISSN: 0937-0633

1992 - Articolo in rivista  
C. MALITESTA, L. SABBATINI, L. TORSI, P. ZAMBONIN, D. BALLIVETTKATCHENKO, J. GALY, J. PARIZE, J. SAVARIAULT (1992). COPPER SPECIATION BY ANALYTICAL ELECTRON SPECTROSCOPIES - CASE OF THE INTERCALATION PHASE Cu<sub>0.5</sub>V<sub>2</sub>O<sub>5</sub>.0.5H<sub>2</sub>O. *SURFACE AND INTERFACE ANALYSIS*, vol. 19, p. 513-518, ISSN: 0142-2421

1991 - Articolo in rivista  
G. MOREA, A. GUERRIERI, C. MALITESTA, L. TORSI (1991). ELECTROSYNTHESIS AND ANALYTICAL CHARACTERIZATION OF FILMS OBTAINED BY OXIDATION OF 2,6-DIAMINOPYRIDINE. *JOURNAL OF THE CHEMICAL SOCIETY. FARADAY TRANSACTIONS*, vol. 87, p. 3515-3521, ISSN: 0956-5000

1991 - Articolo in rivista  
A. TROVARELLI, C. MALITESTA, L. SABBATINI, S. MASCHIO, J. KASPAR (1991). A MULTITECHNIQUE ANALYTICAL CHARACTERIZATION OF THE ISOMERIZATION CATALYST IR<sub>4</sub>(CO)<sub>12</sub> ON SILICA. *MATERIALS CHEMISTRY AND PHYSICS*, vol. 29, p. 405-417, ISSN: 0254-0584

1991 - Contributo in Atti di convegno  
L. Torsi, C. Malitesta, F. Palmisano, L. Sabbatini, P. Zambonin (1991). *Electrochemical and electrical*

*study of the n-type titanium dioxide/polybithiophene (pbT) heterojunction. In: Pireaux, Jean-Jacques, Bertrand, P., Bredas, Jean Luc. Polymer-Solid Interfaces: Proceedings of the 1st International Conference. Namur, 2-6 September 1991, p. 115-120, BRISTOL:IoP Publ., ISBN: 0750301929*

1991 - Articolo in rivista  
*L. SABBATINI, C. MALITESTA, G. MOREA, L. TORSI, P. ZAMBONIN (1991). SURFACE SPECTROSCOPIC CHARACTERIZATION OF ADVANCED POLYMER MATERIALS. MIKROCHIMICA ACTA, vol. 2, p. 237-243, ISSN: 0026-3672*

1991 - Articolo in rivista  
*C. BARRIGA, S. MAFFI, L. BICELLI, C. MALITESTA (1991). ELECTROCHEMICAL LITHIATION OF PB3O4. JOURNAL OF POWER SOURCES, vol. 34, p. 353-367, ISSN: 0378-7753*

1991 - Articolo in rivista  
*C. MALITESTA, T. ROTUNNO (1991). QUANTITATIVE RESOLUTION OF X-RAY PHOTOELECTRON-SPECTRA OF MIXTURES OF CHROMIUM COMPOUNDS BY THE KALMAN FILTER AFTER CUBIC SPLINE BACKGROUND REMOVAL. SURFACE AND INTERFACE ANALYSIS, vol. 17, p. 251-258, ISSN: 0142-2421*

1991 - Articolo in rivista  
*A. DAGNANO, M. GARGANO, C. MALITESTA, N. RAVASIO, L. SABBATINI (1991). X-RAY PHOTOELECTRON-SPECTROSCOPY INSIGHT INTO THE COORDINATION MODES OF CYANATE IN COPPER(II) COMPLEXES. JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA, vol. 53, p. 213-224, ISSN: 0368-2048*

1991 - Articolo in rivista  
*C. MALITESTA, D. CENTONZE, L. SABBATINI, P. ZAMBONIN, L. BICELLI, S. MAFFI (1991). ANALYTICAL CHARACTERIZATION BY X-RAY PHOTOELECTRON-SPECTROSCOPY OF QUATERNARY CHALCOGENIDES FOR CATHODES IN LITHIUM CELLS. JOURNAL OF MATERIALS CHEMISTRY, vol. 1, p. 259-263, ISSN: 0959-9428*

1990 - Articolo in rivista  
*C. MALITESTA, F. PALMISANO, L. TORSI, P. G. ZAMBONIN (1990). A glucose fast response amperometric sensor based on glucose-oxidase immobilized in an electropolymerized polyorthophenylenediamine film. ANALYTICAL CHEMISTRY, vol. 62, p. 2735-2740, ISSN: 0003-2700*

1990 - Articolo in rivista  
*C. Malitesta, G. Morea, L. Sabbatini, P. Zambonin (1990). Analytical characterization of electrode systems by surface spectroscopies: advantages and limits. A brief review. EGYPTIAN JOURNAL OF ANALYTICAL CHEMISTRY, vol. 1, p. 61-83, ISSN: 1110-1857*

1990 - Articolo in rivista  
*G. MOREA, C. MALITESTA, L. SABBATINI, P. ZAMBONIN (1990). ANALYTICAL X-RAY PHOTOELECTRON SPECTROSCOPIC INVESTIGATION OF THE MODIFICATION OF POLYBITHIOPHENE (PBT) UNDER ELECTROCHEMICAL CYCLING. JOURNAL OF THE CHEMICAL SOCIETY. FARADAY TRANSACTIONS, vol. 86, p. 3769-3776, ISSN: 0956-5000*

1990 - Articolo in rivista  
*C. MALITESTA, T. ROTUNNO, L. SABBATINI, P. ZAMBONIN (1990). INSIGHT INTO THE INTERCALATION PROBLEM OF THE LI/CUO CELL BY ANALYTICAL ELECTRON SPECTROSCOPIES. JOURNAL OF THE CHEMICAL SOCIETY. FARADAY TRANSACTIONS, vol. 86, p. 3607-3611, ISSN: 0956-5000*

1990 - Articolo in rivista  
*S. HIBBLE, C. MALITESTA, P. DICKENS (1990). THE CHEMICAL AND ELECTROCHEMICAL LITHIATION OF CUO - AN ANALYTICAL, ELECTRON-MICROSCOPY INVESTIGATION. SOLID STATE IONICS, vol. 39,*

p. 289-295, ISSN: 0167-2738

1989 - Contributo in Atti di convegno

C. Malitesta, G. Morea, L. Sabbatini, N. Tangari, V. Tortorella, P. G. Zambonin (1989). XPS and SIMS investigation on the catalyst-support chemical interaction for ruthenium oxide (RuO<sub>x</sub>)-Teflon systems.

In: Morterra, Claudio, Zecchina, Adriano, Costa, Giacomo. Structure and Reactivity of Surfaces.

Trieste, September 13-16, 1988, vol. 48, p. 633-641, Amsterdam:Elsevier Science Publishers B.V.,

Amsterdam, ISBN: 9780444874658

1989 - Articolo in rivista

L. SABBATINI, C. MALITESTA, P. ZAMBONIN, P. COX, J. KEMP (1989). ANALYTICAL

CHARACTERIZATION OF A SURFACE STANDARD - USE OF COMPLEMENTARY TECHNIQUES (XPS, UPS, EELS). FRESENIUS' ZEITSCHRIFT FUER ANALYTISCHE CHEMIE, vol. 334, p. 671-672, ISSN:

0016-1152

1989 - Articolo in rivista

G. VASAPOLLO, C. NOBILE, A. SACCO, B. GOWENLOCK, L. SABBATINI, C. MALITESTA, P. ZAMBONIN

(1989). NITROSOARENE COMPLEXES OF RHODIUM(III), IRIDIUM(III), COPPER(I) AND MERCURY(II) -

USE OF XPS IN DETERMINING THE MODE OF BONDING TO TRANSITION-METALS. JOURNAL OF

ORGANOMETALLIC CHEMISTRY, vol. 378, p. 239-244, ISSN: 0022-328X

1989 - Articolo in rivista

C. MALITESTA, L. SABBATINI, P. ZAMBONIN, L. BICELLI, S. MAFFI (1989). ANALYTICAL

CHARACTERIZATION OF ELECTRODE SURFACE BY X-RAY PHOTOELECTRON-SPECTROSCOPY -

BETA-PBO<sub>2</sub>-BASED CATHODE IN VOLTAGE-COMPATIBLE LITHIUM CELLS. JOURNAL OF THE CHEMICAL

SOCIETY. FARADAY TRANSACTIONS I, vol. 85, p. 1685-1696, ISSN: 0300-9599

1989 - Articolo in rivista

E. DESIMONI, G. CASELLA, T. CATALDI, C. MALITESTA (1989). A COMPARISON OF SOME

ASYMMETRICAL LINE-SHAPES FOR XPS DATA-ANALYSIS. JOURNAL OF ELECTRON SPECTROSCOPY

AND RELATED PHENOMENA, vol. 49, p. 247-261, ISSN: 0368-2048

1988 - Articolo in rivista

C. MALITESTA, G. MOREA, L. SABBATINI, P. ZAMBONIN (1988). SURFACE ANALYTICAL

CHARACTERIZATION OF ANHYDROUS AND HYDRATED RUTHENIUM DIOXIDE POWDERS BY XPS.

ANNALI DI CHIMICA, vol. 78, p. 473-480, ISSN: 0003-4592

1988 - Articolo in rivista

E. DESIMONI, C. MALITESTA, P. ZAMBONIN, J. RIVIERE (1988). AN X-RAY PHOTOELECTRON

SPECTROSCOPIC STUDY OF SOME CHROMIUM OXYGEN SYSTEMS. SURFACE AND INTERFACE

ANALYSIS, vol. 13, p. 173-179, ISSN: 0142-2421

1987 - Articolo in rivista

L. BICELLI, G. RAZZINI, C. MALITESTA, L. SABBATINI (1987). PHOTOELECTROCHEMICAL BEHAVIOR

AND XPS CHARACTERIZATION OF A (Ti,Al,V)O<sub>2</sub> FILM OBTAINED BY NON-COVENTIONAL

ANODIC-OXIDATION OF A COMMERCIAL Ti-AL-V ALLOY. INTERNATIONAL JOURNAL OF HYDROGEN

ENERGY, vol. 12, p. 219-225, ISSN: 0360-3199

1986 - Articolo in rivista

L. BICELLI, G. RAZZINI, C. MALITESTA, L. SABBATINI, P. ZAMBONIN (1986). SURFACE

CHARACTERIZATION OF ANODIC TITANIUM-DIOXIDE FILMS FOR PHOTOELECTROCHEMICAL

SOLAR-CELLS. SOLAR ENERGY MATERIALS, vol. 13, p. 25-35, ISSN: 0165-1633

1986 - Articolo in rivista

L. BICELLI, B. RIVOLTA, F. BONINO, S. MAFFI, C. MALITESTA (1986). LEAD-OXIDES AS CATHODE

MATERIALS FOR VOLTAGE-COMPATIBLE LITHIUM CELLS. JOURNAL OF POWER SOURCES, vol. 18, p.

63-74, ISSN: 0378-7753

1986 - Articolo in rivista

*E. DESIMONI, C. MALITESTA, L. SABBATINI, P. ZAMBONIN (1986). XPS INVESTIGATION ON FLUOROPOLYMERS THIN-FILMS DEPOSITED IN GLOW-DISCHARGES. SURFACE AND INTERFACE ANALYSIS, vol. 9, p. 414-415, ISSN: 0142-2421*

1986 - Articolo in rivista

*E. Desimoni, C. Malitesta (1986). Interfacing an LHS10 photoelectron spectrometer to a microcomputer: data acquisition and analysis. COMPUTER ENHANCED SPECTROSCOPY, vol. 3, p. 107-112, ISSN: 0734-3051*

1984 - Articolo in rivista

*L. Sabbatini, C. Malitesta, E. Desimoni, P. G. Zambonin (1984). Determination of the transmission efficiency in FAT for a hemispherical electron analyzer of the series LHS 10: implications in quantitative analysis of surface species. ANNALI DI CHIMICA, vol. 74, p. 341-348, ISSN: 0003-4592*

### Altre Pubblicazioni

Circa 200 comunicazioni a congressi nazionali ed internazionali.

### TITOLI

**responsabilità scientifica per progetti di ricerca internazionali e nazionali, ammessi al finanziamento sulla base di bandi competitivi che prevedano la revisione tra pari**

Progetto	Durata (mesi)	Ruolo ricoperto
PRIN 2002: TRANSISTORI A BASE DI MATERIALI ORGANICI E COMPOSITI NANOSTRUTTURATI PER IMPIEGO COME SENSORI CHIMICI AVANZATI.	24	Responsabile Unità
PRIN 2004: Nano-Analytical Systems for Chem & bio-sensing - NASCE	24	Responsabile Unità
PRIN 2009: Sensori elettrochimici basati su film sottili di materiali funzionali nanostrutturati	24	Responsabile Unità
Azioni Integrate ITALIA-SPAGNA 2009: Sviluppo di polimeri a stampo molecolare elettrosintetizzati per applicazioni analitiche in SPME(microestrazione in fase solida) - prot. IT09E22FLA	24	Coordinatore italiano
Programma Vigoni 2009 (progetto bilaterale Italia-Germania): Development of novel MIP electrochemical sensors based on polymers "grafting-from" approach at conducting substrates	24	Responsabile italiano
PNRA - PEA2009: Studio delle sorgenti e dei processi di trasferimento dell'aerosol	24	Responsabile Unità

atmosferico antartico - PROGDEF09_153		
INTERREG IIIA Grecia-Italia 2000-2006 - Misura 3.1- Progetto "ECODONET"-codice I3101041 PIC (2007)	24	Responsabile attività
<i>Rete di laboratori a sostegno della ricerca per lo sviluppo di nuove tecnologie per la valorizzazione di biomasse residue del sistema produttivo della Regione Puglia RELA-VALBIOR (Accordo di programma quadro ricerca scientifica- Il atto integrativo regione Puglia- Avviso Pubblico "Reti di laboratori pubblici di ricerca" (2009)</i>	24	<i>Responsabile UdR.</i>
<i>Rete di laboratori per l'innovazione nel campo degli alimenti funzionali (Accordo di programma quadro ricerca scientifica- Il atto integrativo regione Puglia- Avviso Pubblico "Reti di laboratori pubblici di ricerca" 2009)</i>	24	<i>Responsabile UdR.</i>
2HE Research center - PON RICERCA E COMPETITIVITA' 2007-2013 -ASSE I SOSTEGNO AI MUTAMENTI STRUTTURALI - OBIETTIVO OPERATIVO 4.1.1.4 - I AZIONE: RAFFORZAMENTO STRUTTURALE (2011)	36	Responsabile obiettivo realizzativo

**altri titoli**

- *Direttore Unità di Ricerca - Università di Bari di INSTM*
- *Presidente Centro Interdipartimentale Spettroscopie - Università di Bari*
- *Examiner for PhD degree at Cranfield University (UK) - Maggio 2012*
- *Referee for Marie Curie fellowship application*
- *Membro Comitato Organizzatore Euroanalysis IX - Bologna (Italy) - 1996*
- *Invited speaker EuCheMs School on "Synthesis and Characterization of Novel Nano-Sized Inorganic Materials" - Bari, June 17-22, 2012*
- *Referee di bandi europei*
- *Membro Comitato organizzatore e/o scientifico di congressi nazionali e internazionali*
- *Coordinatore Dottorato di Ricerca - Università del Salento*
- *Presidente Consiglio Didattico Scienze Ambientali - Università del Salento*
- *VicePresidente della Divisione di Chimica Analitica della Società Chimica Italiana*
- *Visiting Scientist Inorganic Chemistry Laboratory ( University of Oxford (UK)) 1987, 1988, 1989*

**Elevata qualificazione scientifica, attestata secondo i criteri di produttività scientifica previsti dalla normativa vigente:**

numero di citazioni = 2148

indice H = 23

Indicatori calcolati secondo le prescrizioni ANVUR per ASN su dati rilevati dalle banche dati Web of Science e Scopus.

Valori maggiori delle mediane per i candidati commissari riportate per il settore concorsuale 03/A1 – Chimica Analitica nel sito [www.anvur.org](http://www.anvur.org).

Lecce, 30 luglio 2014

F.to Prof. Cosimino Malitesta