

CURRICULUM VITAE PROF. DANILA MOSCONE

FORMATO EUROPEO/EUROPEAN FORMAT

INFORMAZIONI PERSONALI/ PERSONAL INFORMATION

Nome, Cognome/Name, Surname	Danila Moscone
Indirizzo/Address Via, numero civico, c.a.p., città, nazione/ House number, street name, postcode, city, country	Via Bettino Ricasoli, 1, 04022, Fondi (LT) Italy,
Telefono/Telephone	+39 3207983084
Fax	+39 062024342
E-mail	Danila.moscone@uniroma2.it
Sito web/Website	
Nazionalità/Nationality	Italian
Luogo e data di nascita/ Place and Date of birth	Fondi (LT) Italy, 06/07/1952

ESPERIENZA PROFESSIONALE /WORK EXPERIENCE

In ordine di data /Dates (from – to)	Full Professor from 2006 to nowadays Associate Professor from 2000 to 2005 Researcher from 1996 to 1999 Graduate technician from 1984 CNR annual fellowship holder in 1994 at the University of Groningen, (The Nederland) [Iniziare con le più recenti ed elencare separatamente ciascun incarico ricoperto/ Add separate entries for each relevant post occupied, starting with the most recent.]
Nome e indirizzo del datore di lavoro / Name and address of employer	Università di Roma Tor Vergata Via O. Raimondo, 00173, Rome, Italy
Tipo o settore di attività / Type of business or sector	Academia
Funzione o posto occupato / Occupation or position held	Full Professor
Principali mansioni e responsabilità / Main activities and responsibilities	Responsabile del gruppo di Chimica Analitica dell'Università di Roma "Tor Vergata" Head of the Analytical Chemistry Group of the "Tor Vergata" University in Rome (Italy)

ISTRUZIONE E FORMAZIONE / EDUCATION AND TRAINING

Laurea in Chimica presso l'Università di Roma "La Sapienza" il 25/05/1983

In ordine di data /Dates (from – to)

Chemistry Degree on 05/25/1983 at Università of Roma "La Sapienza"

Diploma di maturità classica
Classical A levels

ATTIVITA' DI RICERCA / RESEARCH ACTIVITIES

Attuali campi di ricerca / Research sectors

Biosensori elettrochimici
Electrochemical Biosensors

Recenti attività scientifiche/
Recent Scientific Activities.

- Responsabile di un progetto triennale (2008-2011, prolungato al 2012) FILAS-Regione Lazio in collaborazione con la ditta RADIM (Pomezia, RM).
- Responsabile scientifico di unità operativa nell'ambito di un contratti biennali PRIN 2015, 2009, 2007, e 2005, e COFIN 2003, approvati per il finanziamento.
- Responsabile della ricerca relativa a contratti 2008-2009, 2006-2007 e 2003-2005, stipulati con la ditta A. Menarini Industrie Farmaceutiche Riunite S.R.L. -Diagnostic Division.
- Responsabile italiana del progetto del Ministero degli Esteri "Valutazione della qualità e sicurezza d'uso del latte" nell'ambito del Protocollo di Collaborazione Scientifica e Tecnologica tra la Repubblica Italiana ed il Regno del Marocco (2004-2006, esteso fino al 2008).
- Responsabile scientifico di un contratto triennale CNR dal titolo "Sviluppo di biosensori elettrochimici per il controllo di qualità di alimenti" dal 1998 al 2001, prolungato fino al 31/12/2002
- Responsabile di unità operativa nell'ambito di un progetto Sanità 1%, commissionato dall'ISPESL all'INBB dal titolo "L'impiego dei biosensori nella valutazione dell'esposizione occupazionale a inquinanti chimici e biologici".
- Head of a three-year project (2008-2011, extended to 2012) Filas-Lazio Region in cooperation with the Radim Company (Pomezia, RM).
- Head of a scientific unit of two-year contracts PRIN 2015, 2009, 2007 and 2005, and COFIN 2003 approved for funding.
- Responsible for the research related to contracts 2008-2009, 2006-2007 and 2003-2005, with the company A. Menarini Pharmaceutical Industries Gather S.R.L. - Diagnostic Division.
- Head of the project of the Italian Ministry of Foreign Affairs "Evaluation of the quality and safety of use of milk" under the Program of Scientific and Technological Cooperation between the Italian Republic and the Kingdom of Morocco (2004-2006, extended to 2008).
- Head of a three-year contract CNR entitled "Development of electrochemical biosensors for the quality control of food" from 1998 to 2001, extended to 31/12/2002
- Head of Scientific Unit in a project Health 1%, commissioned by ISPESL all'INBB entitled "The use of biosensors in the evaluation of occupational exposure to chemical and biological pollutants."

Pubblicazioni/Books and Articles

33 capitoli su libri, 1 monografia, 165 lavori pubblicati su riviste scientifiche internazionali e nazionali, 3 brevetti, 36 proceedings, 2 video, più di 300 presentazioni orali e poster a convegni internazionali e nazionali, H-index 40 (SCOPUS).

33 chapters on books, 1 monograph, 165 papers on international and national scientific journals, 3 patents, 36 proceedings, 2 videos, more than 300 oral and poster presentations at scientific meetings, H-index 40 (SCOPUS).

ULTERIORI INFORMAZIONI / ADDITIONAL INFORMATION

L'attività della prof. Danila Moscone riguarda la realizzazione di biosensori e la loro applicazione analitica a matrici reali da trenta anni. Durante questo periodo ha approfondito la sua esperienza nel campo dei sensori elettrochimici, e dei sistemi a flusso accoppiati a biosensori. In particolare è esperta di immobilizzazione di enzimi su matrici polimeriche e nella miniaturizzazione di sensori e biosensori. Per molti anni è stata coinvolta in progetti europei nell'ambito delle misure continue ed in tempo reale "in vivo", sviluppando nuovi biosensori per glucosio miniaturizzati ed accoppiando per la prima volta i biosensori a tecniche di campionamento innovative come la Microdialisi e l'Ultrafiltrazione, sia in campo clinico che in quello dell'analisi e controllo di qualità di alimenti.

Negli ultimi anni si è occupata, nell'ambito di progetti finanziati dalla Comunità Europea, dello sviluppo di immuno sensori e biosensori, utilizzando elettrodi monouso ottenuti con stampa serigrafica, per la realizzazione di immuno sensori monouso per tossine (micotossine tossine nel latte e nei cereali, tossine batteriche e ficotossine in alimenti) e batteri (*Stafilococco aureo*, *Salmonella*,..) in ambienti di lavoro ed in alimenti; di metodi analitici rapidi ed innovativi per l'analisi ed il controllo di OGM , per l'analisi ed il controllo delle acque, nonché contratti con ditte private (Menarini per la realizzazione di sensori stampati per il monitoraggio continuo di glucosio per più di 300 ore). Altre applicazioni sono state la realizzazione di biosensori altamente selettivi basati su elettrodi stampati modificati con Prussian Blue, biosensori per la determinazione di pesticidi basati sulla inibizione enzimatica, realizzazione di sistemi in flusso per la determinazione di nitriti e nitrati e realizzazione di microsensori potenziometrici per pH, potassio, calcio, ammonio, nitrati per la protezione e conservazione dei beni culturali. Nuovi progetti in atto sono lo sviluppo di immuno sensori per la determinazione di anticorpi e metaboliti di interesse clinico (IgA, IgE, lattato...) in matrici biologiche come siero e saliva, di biosensori elettrochimici basati su DNA (eDNA) per la determinazione di proteine e fattori di trascrizione e di sensori e biosensori modificati con materiale nanostrutturato, sensori e biosensori stampati su carta.

L'articolo pubblicato su Analytica Chimica Acta 2006, 580, 155-162 intitolato "Detection of carbamic and organophosphorus pesticides in water samples using cholinesterase biosensor based on Prussian Blue modified screen printed electrode" è risultato essere un "Top 25 Hottest Article" nel periodo ottobre-dicembre 2006. L'articolo pubblicato su Biosensors and Bioelectronics 2010, 25, 2003-2008 intitolato "A thionine-modified carbon paste amperometric biosensor for catechol and bisphenol A determination" ha permesso di ottenere la menzione di top cited author nel periodo 2010-2011.

E' stata invitata a tenere conferenze plenarie a congressi internazionali e nazionali, ed è relatrice di numerose tesi di laurea e di dottorato sugli argomenti trattati. Collabora attivamente con gruppi di ricerca sia stranieri che italiani (Università di Lund, Svezia; Università di Mosca, Russia; Kazan State University, Kazan, Russia; Università di Mohammadia, Marocco; Università di Bucarest, Romania; Università del Molise, Campobasso; Università della Tuscia, Viterbo; Università di Firenze; II Università di Napoli).

E' Editor di Biosensors and Bioelectronics, e fa da "referee" per altre riviste internazionali come Analytical Chemistry, Analytica Chimica Acta, Talanta, Analytical and Bioanalytical Chemistry ed molte altre. E' membro attivo dei revisori del MIUR e valutatrice di progetti nazionali ed internazionali.

E' tra i soci fondatori e membro del consiglio di amministrazione di uno spin-off universitario, denominato Tecnosens S.r.l., operante nel settore sensoristica avanzata (ricerca e realizzazione di nuove soluzioni per lo sviluppo di nuovi prodotti nel comparto del trattamento di acque potabili) e che vede il coinvolgimento anche della società Etatron DS.

The prof. Moscone's activity concerns the construction of different biosensors and its application in analytical matrices since thirty years. During this time she improved her experience in the field of electrochemical sensors and flow systems coupled to biosensors. In particular, she is an expert in enzymes immobilization on polymer matrices and in sensors and biosensors miniaturization. For many years she was

involved in European projects on continuous and real-time "in vivo" measurement, developing new miniaturized biosensors for glucose and coupling for the first time biosensors with innovative sampling techniques such as microdialysis and ultrafiltration, both in clinical field and in foods analysis and quality control.

In recent years she worked in projects funded by the European Community, for the development of immunosensors and biosensors based on screen printed disposable electrodes, for the realization of single-use immunosensor for toxins (mycotoxins in milk and cereals, bacterial toxins and phycotoxins in foods) and bacteria (*Staphylococcus aureus*, *Salmonella*, ..); for rapid and innovative analytical methods for the analysis and control of GMOs, and had contracts with private companies (Menarini for the realization of printed sensors for continuous monitoring of glucose) . Other applications have been the realization of highly selective biosensors based on printed electrodes modified with Prussian Blue, biosensors for the determination of pesticides based on enzyme inhibition, realization of systems in flow for the determination of nitrites and nitrates and realization of potentiometric microsensors for pH, potassium, calcium, ammonium, nitrate, for the protection and preservation of cultural heritage. New projects underway are the development of immunosensor for the determination of antibodies and metabolites of clinical interest (IgA, IgE, lactate ...) in biological matrices such as serum and saliva, of electrochemical biosensors based on DNA (eDNA) for the determination of protein and transcription factors and of sensors and biosensors modified with nanostructured material, paer based (bio)sensors.

Between her papers, the article entitled "Detection of carbamic and organophosphorus pesticides in water samples using cholinesterase biosensor based on Prussian Blue modified screen printed electrode", published in *Analytica Chimica Acta*, 2006, 580, 155-162 was a "Top 25 Hottest Articles" in the period October-December 2006. The paper entitled "A thionine-modified carbon paste amperometric biosensor for catechol and bisphenol A determination" published in *Biosensors and Bioelectronics* 2010, 25, 2003-2008, resulted in the top cited author in the 2010-2011 period.

She was invited to give plenary lectures at national and international conferences, and is tutor of numerous theses and dissertations on the topics covered. She actively collaborates with research groups both foreign and Italian (University of Lund, Sweden, University of Moscow, Russia, Kazan State University, Kazan, Russia; University of Mohammadia, Morocco, University of Bucharest, Romania, University of Molise, Campobasso; University of Tuscia, Viterbo, University of Florence, II University of Naples).

She is Editor of the journal *Biosensors and Bioelectronics*, and acts as "referee" for other international journals such as *Analytical Chemistry*, *Analytical Chimica Acta*, *Talanta*, *Analytical and Bioanalytical Chemistry*, and many others. It 'an active member of the Audit Committee of the Ministry of Education and Evaluation of national and international projects.

She is co-founder and member of the board of directors of a university spin-off, Tecnosens Srl, operating in the advanced sensory sector (research and realization of new solutions for the development of new products in the field of drinking water treatment) with the involvement of Etatron DS.

**TRATTAMENTO DEI DATI
PERSONALI, INFORMATIVA E
CONSENSO**

Il D.Lgs. 30/6/2003, n. 196 “*Codice in materia di protezione dei dati personali*” regola il trattamento dei dati personali, con particolare riferimento alla riservatezza, all’identità personale e al diritto di protezione dei dati personali; l’interessato deve essere previamente informato del trattamento .

La norma in considerazione intende come “trattamento” qualunque operazione o complesso di operazioni concernenti la raccolta, la registrazione, l’organizzazione, la conservazione, la consultazione, l’elaborazione, la modifica, la selezione, l’estrazione, il raffronto, l’utilizzo, l’interconnessione, il blocco, la comunicazione, la diffusione, la cancellazione e la distruzione di dati, anche se non registrati in una banca dati.

In relazione a quanto riportato, autorizzo il CNR al trattamento dei dati contenuti nel presente *curriculum vitae* e nella documentazione della quale fa parte integrante

(barrare la casella) Si, acconsento

ELENCO DELLE PUBBLICAZIONI
Prof.ssa DANILA MOSCONE

CAPITOLI SU LIBRI:

- 1) M. Massi Benedetti, D. Moscone, G. Calabresi, P. G. Fabbietti, D. Arena, S. Sozzi, P. Garzi, E. Bonifacio, S. Cianetti, M. Mascini
System for continuous monitoring of intermediary metabolites.
In: "Advanced Models for the Therapy of Insulin-dependent Diabetes", pg. 241-245. Eds P. Brunetti and W. K. Waldhäus. Raven Press, New York, 1987
- 2) M. Mascini, D. Moscone, F. Mazzei
Pyruvate and lactate electrochemical sensor realized with immobilized enzymes for control in artificial pancreas.
In: "Advanced Models for the Therapy of Insulin-dependent Diabetes", pg. 247-253. Eds P. Brunetti and W. K. Waldhäus. Raven Press, New York, 1987
- 3) M. Mascini, D. Moscone, G. Palleschi
Design and Applications of Biosensors in Medicine: Study on Artificial Pancreas.
In: "Chemical Sensor Technology" vol 1, pg. 221-236. Edited by T. Seyama, Kodanska Ltd. Tokio, Japan, 1988.
- 4) M. Mascini, G. Palleschi, D. Moscone, L. Bernardi
Evaluation of glucose and lactate electrochemical biosensors in conjunction with potassium I.S.E. for continuous ex vivo blood measurement in athletes.
In: "Methodology and Clinical Applications of Ion-Selective Electrodes", pg. 207-217. Eds. A.H.J. Maas, B. Buckley, A. Manzoni, R.F. Moran, O. Siggaard-Andersen, R. Sprokholt. Printed by Elinkwijk, Utrecht, The Netherlands, 1989.
- 5) M. Mascini, D. Moscone, G. Palleschi
Biosensor Applications of Continuous Monitoring in Clinical Chemistry
In: "Bioinstrumentation: Research, Development and Application" Chapter 45 pg. 1429-1460. Butterworths Publisher Boston, USA, 1990.
- 6) M. Mascini, D. Moscone
Electrochemical Biosensors: Application to Some Real Problems.
In: "Advances in Biosensors", Vol. 1 pg. 33-72. Edited by A.P.F. Turner. JAI Press Ltd, London, 1991.
- 7) G. Palleschi, M. Bernabei, P. Bertocchi, D. Compagnone, M. G. Lavagnini and D. Moscone
Enzyme Electrode Probes for Determination of Metabolites in Biological Fluids and in the Environment.
In: "In Vivo Chemical Sensors. Recent Development" pg. 79-86. Edited by S.J. Alcock and A.P.F. Turner, Cranfield Press, Bedford, UK, 1993.
- 8) D. Moscone, M.A. Desai, U. Ungerstedt, M. Mascini
Microdialysis and Biosensors.
In: "In Vivo Chemical Sensors. Recent Development" pg. 139-142. Edited by S.J. Alcock and A.P.F. Turner, Cranfield Press, Bedford, UK, 1993
- 9) A. Amine, D. Moscone and M. Mascini
Microdialysis Probe Coupled with Glucose Biosensor for In Vivo Monitoring: Study of Drift Phenomenon.
In: "In Vivo Chemical Sensors. Recent Development" pg. 143-149. Edited by S.J. Alcock and

- A.P.F. Turner, Cranfield Press, Bedford, UK, 1993.
- 10) D. Moscone, M. Mascini
In Vivo Monitoring with Microdialysis Probe.
In: "Uses of Immobilized Biological Compounds", pg. 115-122. Edited by G.G. Guilbault and M. Mascini, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1993.
- 11) M. Mascini, D. Moscone and M. Anichini
Biosensors for in vivo monitoring.
In: "Reviews on Analytical Chemistry", pg. 298-307. Edited by D. LittleJhon and D. Thorburn Burns, Published by The Royal Society of Chemistry, Cambridge, UK, 1994.
- 12) D. Moscone and M. Mascini
Optimized biosensors in Clinical Applications In: "Handbook of Biosensors and Electronic Nose: Medicine, Food, and the Environment", chapter 18, pg 409-434. Ed. by E. Kress-Rogers, ATI Sensor Applications Ltd., CRC Press, Ratingen/Homberg, Germany 1997.
- 13) Palleschi, G.; Compagnone, D.; Moscone, D.
Electrochemical biosensors: potential and application in the food industry.
In: *Biotechnology in the Food Chain* VTT Symposium, 177, pg. 141-160. (Copyright 2003 ACS) 1997.
- 14) D. Moscone, M. Mascini
Biosensors for in vivo applications
In: "Current Topics in Biophysics", vol. 6, pg.176-192. Editor P.T. Frangopol, Al.I. Cuza University Press, Iasi, Romania, 1997.
- 15) D. Compagnone, D. Moscone, G. Palleschi
Development and application of amperometric biosensors in food analysis
In: *Recent Research Developments in Pure and Applied Chemistry*, pg.73-86. S.G. Pandalai Editor, Transworld Research Network, Trivandrum, India, 1998.
- 16) L. Micheli, D. Moscone, S. Marini, S. di Stefano, G. Palleschi,
Development of disposable immunosensors for rapid assay of seafood toxin,
in *Rapid Detection Assay for Food and Water*, Ed. S.A. Clark, K.C. Thompson, C.W. Keevil, M.S. Smith, RSC, Cambridge (England), 2001, 190-193. ISBN 0-85404-779-4
- 17) Palleschi, G.; Compagnone, D.; Moscone, D.
Selective electrochemical biosensors for application in food quality control.
In: "Rapid Detection Assays for Food and Water" Special Publication - Royal Society of Chemistry, 272 pg. 194-201, 2001. ISBN 0-85404-779-4
- 18) G. Palleschi, D. Moscone, L. Micheli, D. Botta
Rapid detection of seafood toxins
In: "Safety and quality issues in fish processing" pg.142-160. Edited by H. Allan Bremner, CRC Press, Woodhead Publishing Limited, Cambridge, England, 2002.
- 19) Azize Amine, Laura Micheli, Danila Moscone, Giuseppe Palleschi
Rapid on-line analysis to ensure the safety of milk.
In: "Dairy processing, Improving quality", pg. 292-309. Edited by Gerrit Smit, CRC Press, Woodhead Publishing Limited, Cambridge, England, 2003.

- 20) Albertano P., Moscone D., Palleschi G., Hermosin B., Saiz-Jimenez C., Sanchez-Moral S., Hernandez-Marine M., Urzi C., Groth I., Schroechk V., Saarela M., Mattila-Sandholm T., Gallon J. R., Graziottin F., Bisconti F., Giuliani R.,
Cyanobacteria attack rocks (CATS): Control and preventive strategies to avoid damage caused by cyanobacteria and associated microorganisms in Roman Hypogean Monuments.
In: Saiz-Jimenez, C. (Ed.), *Molecular Biology and Cultural Heritage*, pp. 151-162, Swets & Zeitlinger, Lisse (NL), ISBN 90 5809 555 X. **2003**
- 21) G. Palleschi, D. Moscone, L. Micheli
The rapid detection of toxins in food: a case study
In: "Rapid and on line instrumentation for food quality assurance", pg.116-135. Edited by Ibtisam E. Tothill, Woodhead Publishing Limited, Cambridge, England, **2003**
- 22) D. Moscone
Coupling of microdialysis sampling with biosensing detection modes
In: "Biosensors and Modern Biospecific Analytical Techniques", (Ed. L. Gorton), Vol. XLIV, Comprehensive Analytical Chemistry, ch. 12, pp. 579-626. Ser. Ed. D. Barceló), Elsevier, Amsterdam, **2005**
- 23) Piermarini S., Calvo-Quintana J., Bruno L., Albertano P., Moscone D., Palleschi G.
Importanza dei microsensori nella conservazione dei beni culturali.
In: C. Sabbioni, F. Persia, L. Castelletti (eds.), *Biologia e archeobiologia nei beni culturali: conoscenza, problematiche e casi di studio*, pp. 229-235, New Press s.n.c., Como, **2006**, ISBN 88-85680-23-2.
- 24) Francesco Ricci, Danila Moscone, Giuseppe Palleschi
Mediated Enzyme Screen Printed Electrode Probes for Clinical, Environmental and Food Analysis
In: D. BARCELO'. *Comprehensive Analytical Chemistry*. (vol. 49, pp. 559-584). Elsevier, Amsterdam, **2007**
- 25) Francesco Ricci, Danila Moscone, Giuseppe Palleschi
Preparation of Prussian blue-modified screen-printed electrodes via a chemical deposition for mass production of stable hydrogen peroxide sensors.
In: D. BARCELO'. *Comprehensive Analytical Chemistry*. (vol. 49, pp. E119-E124). (**2007**). Elsevier.
- 26) D.G. Mita, A. Attanasio, N. Diano, V. Grano, U. Bencivenga, S. Rossi, P. Canciglia, L. Mita, M. Portaccio, F. Arduini, A. Amine and D. Moscone
Bioremediation and biodetermination of Bisphenol A (BPA) in aqueous solutions. In *The Endocrine Disruptors*, **2007**, pg. 159-179, Maria Marino and Damiano Gustavo Mita Eds. Transworld Research Network, Kerala, India.
- 27) P. Albertano, R. Congestri, L. Micheli, D. Moscone, G. Palleschi
Development of sensors to trace toxins from Dinoflagellates and other Algae to seafood. In *Algal Toxins: Nature, Occurrence, Effect and Detection*, pg. 301-310, V. Evangelista, L. Barsanti, A.M. Frassanito, V. Passarelli, P. Gualtieri Eds, Springer in cooperation with NATO, **2008**, Dordrecht, The Nederlands. ISBN: 978-1-4020-8479-9
- 28) Fabiana Arduini, Aziz Amine, Danila Moscone, Giuseppe Palleschi
Biosensors for Quality and Safety Control of Olive Oil: A Review. In: *Olive Oil and Health*. Editors: James D. Corrigan
Nova Science Publishers, **2010**, ISBN: 978-1-61761-170-4

- 29) Danila Moscone, Fabiana Arduini, Aziz Amine
A Rapid Enzymatic Method for Aflatoxin B Detection
In: *Microbial Toxins*, Otto Holst Ed. Humana Press Inc, (2011) Volume 739, Part 3, 217-235,
DOI: 10.1007/978-1-61779-102-4_20, ISBN 978-1-61779-101-7 (Print) 978-1-61779-102-4
(Online)
- 30) D. Moscone, L. Micheli, G. Palleschi
Biosensors for non invasive measurements
In: *Biosensors for medical applications*, Edited by Seamus Higson, Woodhead Publishing, 2012,
pg. 263-300, ISBN 978-1-84569-935-2 (print), 978-0-85709-718-7 (online)
- 31) Chiara Zanardi, Laura Pigani, Renato Seeber, Fabio Terzi, Fabiana Arduini, Stefano Cinti, Danila Moscone and Giuseppe Palleschi
Carbon Black/Gold Nanoparticles Composite for Efficient Amperometric Sensors
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DOI: 10.1007/978-3-319-09617-9_28
- 32) Fabiana Arduini, Viviana Scognamiglio Danila Moscone Giuseppe Palleschi
Electrochemical Biosensors for Chemical Warfare Agents
In: *Biosensors for Security and Bioterrorism Application*, Part of the series Advanced Sciences and Technologies for Security Applications, 2016, pp 115-139, , Dimitrios P. Nikolelis, Georgia-Paraskevi Nikoleli Editors, Springer International Publishing, Switzerland. DOI: 10.1007/978-3-319-28926-7_6; Print ISBN 978-3-319-28924-3
- 33) A. Antonacci,1 F. Arduini,2 D. Moscone,2 G. Palleschi2 and V. Scognamiglio
Commercially Available (Bio)sensors in the Agrifood Sector
In: *Comprehensive Analytical Chemistry*, Vol. 74. Pg. 315-340;
<http://dx.doi.org/10.1016/bs.coac.2016.04.015> Copyright © 2016 Elsevier B.V.

MONOGRAFIE

- 1) G. Palleschi, D. Moscone, D. Compagnone
Biosensori elettrochimici in medicina. Recenti applicazioni
Caleidoscopio, Medical System Ed. Genova, 1997

ARTICOLI SU RIVISTE INTERNAZIONALI/INTERNATIONAL JOURNALS PAPERS:

1. M. Mascini, D. Moscone, G. Palleschi
A Lactate electrode with lactate oxidase immobilized on nylon net for blood serum samples in flow systems.
Anal. Chim. Acta 157, (1984) 45-51
2. M. Mascini, S. Fortunati, D. Moscone, G. Palleschi
Ammonia abatement in flow system for creatinine determination in clinical samples.
Anal. Chim. Acta 171, (1985) 175-184
3. M. Mascini, S. Fortunati, D. Moscone, G. Palleschi, M. Massi, P. Fabietti
An L-lactate sensor with immobilized enzyme for use in vivo studies with an endocrine artificial pancreas.
Clin. Chem. 31, (1985) 451-453

4. M. Mascini, D. Moscone
Amperometric acetylcholine and choline sensors with immobilized enzymes.
Anal. Chim. Acta 179, (1986) 439-444
5. M. Mascini, F. Mazzei, D. Moscone, G. Calabrese, M. Massi- Benedetti
Lactate and Pyruvate Electrochemical Biosensors for Whole Blood in Extracorporeal Experiments with an Endocrine Artificial Pancreas.
Clin. Chem. 33, (1987) 591-593
6. M. Mascini, D. Moscone, G. Palleschi, R. Pilloton
In-line determination of Metabolites and Milk Components with electrochemical Biosensors.
Anal. Chim. Acta 213, (1988) 101-111.
7. D. Moscone, M. Mascini
Determination of Superoxide Dismutase activity with an electrochemical oxygen probe.
Anal. Chim. Acta 211, (1988) 195-204
8. M. Grilli Caiola, A. Canini and D. Moscone
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FEMS Microbiology Letters 59 (1989) 283-288.
9. M. Mascini, M. Pizzichini, D. Moscone, R. Pilloton
On-line determination of glucose produced by hydrolysis of cellobiose realized with cellular bioreactor.
Biotechnology and Bioengineering, 34 (1989) 262-264.
10. M. Mascini G. Palleschi, D. Moscone and L. Bernardi
Extracorporeal determination of glucose, lactate and potassium with electrochemical biosensors
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Biosensor 5 (1990) 27-35.
12. G. Palleschi, D. Moscone, M. Mascini
Electrochemical Biosensors For Extracorporeal Measurements
Biochemical Society Transactions 19 (1), (1991), 5-9.
13. D. Moscone, M. Pasini and M. Mascini
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Talanta, 39 (1992), 1039-44.
14. Mascini M., Moscone D., Bernardi L.
In vivo continuous monitoring of glucose by microdialysis and a glucose biosensor
Sensors and Actuators, 6 (1-3), (1992) 143-145.

15. C. Caliendo, E. Verona, A. D'Amico, M. Mascini and D. Moscone
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