

CURRICULUM VITAE PROF. DANILA MOSCONE

EUROPEAN FORMAT

PERSONAL INFORMATION

Name, Surname	Danila Moscone
Address	1, Via Bettino Ricasoli , 04022, Fondi (LT) Italy,
House number, street name, postcode, city, country	
Telephone	+39 3207983084
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E-mail	danila.moscone@uniroma2.it
Website	
Nationality	Italian
Place and Date of birth	Fondi (LT) Italy, 06/07/1952

WORK EXPERIENCE

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)
[Add separate entries for each relevant post occupied, starting with the most recent.]	

Name and address of employer	Università di Roma Tor Vergata Via O. Raimondo, 00173, Rome, Italy
Type of business or sector	Academia
Occupation or position held	Full Professor
Main activities and responsibilities	Head of the Analytical Chemistry Group of the “Tor Vergata” University in Rome (Italy)

EDUCATION AND TRAINING

Dates (from – to)	Chemistry Degree on 05/25/1983 at Università of Roma “La Sapienza” (5 years) <i>Classical A levels high school (5 years)</i>
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RESEARCH ACTIVITIES

Research sectors

Electrochemistry, Biosensors, Immobilization, Immunosensors, Microdialysis, Ultrafiltration, Flow cells, Miniaturization, Screen printed Electrodes, Paper-based (bio)sensors

Recent Scientific Activities.

- 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."

Books and Articles

33 chapters on books, 1 monograph, 165 papers on international and National scientific journals, 3 patents, 37 proceedings, 2 videos, more than 300 oral and poster presentations at scientific meetings, H-index 40 (SCOPUS).

ADDITIONAL INFORMATION

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*, etc.); 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. Her more recent interests concern sensors modification with nanomaterials and realization of "all-in-one" paper-based electrochemical devices.

Between 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 *Biosensors and Bioelectronics*, the principal international journal devoted to research, design, development and application of biosensors and bioelectronics, and Referee of international journals as *Analytical Chemistry*, *Biosensors and Bioelectronics*, *Analytical and Bioanalytical Chemistry*, *Analytica Chimica Acta*, *Talanta et al.*

It 'an active member of the Audit Committee of the Ministry of Education and Evaluation of national and international projects.

List of Publications
Prof. DANILA MOSCONE

Chapter on books:

- 1) M.M. Massi Benedetti, D. Moscone, G. Calabresi, P. G. Fabietti, 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. Sprokholm. 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) 6) 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., Schroeckh 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 Mounments.
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** ISBN88-85680-23-2.
- 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 Netherlands. 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
In: Compagnone D., Baldini F., Di Natale C., Betta G., Siciliano P. (eds) *Sensors. Lecture Notes in Electrical Engineering*, vol 319. Springer, 2015, pag. 159-163,
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, F. Arduini, D. Moscone, G. Palleschi 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..

Monograf

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

Papers on International Journals

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
Oxygen concentration, nitrogenase activity and heterocyst frequency in the leaf cavities of *Azolla filiculoides* Lam
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
Journal of Farmaceutical & Biomedical Analysis, 7 (12), (1989) 1377-1383.
11. G. Palleschi, M.G. Lavagnini, D. Moscone, R. Pilloton, D. D' Ottavio, M.E. Evangelisti
Determination of serum cholinesterase activity and dibucaine numbers by an amperometric choline sensor.
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
Subcutaneous microdialysis probe coupled with glucose biosensor for in vivo continuous monitoring
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
Acoustic Love-wave sensor for K⁺ concentration in H₂O solutions
Sensors and Actuators B, 7 (1992) 602-605
16. G. Palleschi, M. G. Lavagnini, D. Compagnone, P. Bertocchi and D. Moscone
Flow monitoring of Glutamate and Aspartate in Foods and Pharmaceutical Products with Immobilized Bienzyme Electrochemical Cells.
Electroanalysis, 4, (1992) 851-857
17. D. Moscone and M. Mascini
Microdialysis and Glucose Biosensor for in vivo monitoring
Annales de Biologie Clinique, 50 (1992) 323-327
18. M. G. Lavagnini, D. Moscone, G. Palleschi, D. Compagnone, C. Cremisini
Amperometric Lysine Bioprobes Analysis in Feeds
Talanta, 40, (1993) 1301-1306
19. D. Moscone, M. Mascini
Microdialysis coupled with glucose biosensors for subcutaneous monitoring
Analisis, 21/2, (1993) M40-M42
20. G. Palleschi, G. Volpe, D. Compagnone, M.G. Lavagnini, D. Moscone and A. Amine
Amperometric Alanine Electrode
Analytical Letters, 26 (1993) 1301-1319
21. D. Moscone, H. Yamanaka and M. Mascini
Biosensors for Glucose Needle-Shaped for *in vivo* Monitoring
Russian Journal of Electrochemistry, 29 (1993) 1522-1526.

22. G. Palleschi, P. Bertocchi, D. Compagnone, M.G. Lavagnini, D. Moscone and G. Volpe
Electrochemical Biocells for Continuous Monitoring of Aminoacids in Food
Life Chemistry Reports, 11 (1994) 419-431
23. M. Bugli, D. Moscone, P. Rodinò, G. Palleschi
Construction and evaluation of a needle glucose probe for in vivo monitoring
Cinical Chemistry Enzyme Com, 7 (1995) 17-28
24. G. Volpe, D. Moscone, D. Compagnone, G. Palleschi
In vivo continuous monitoring of L-lactate coupling subcutaneous microdialysis and electrochemical biocell.
Sensors and Actuators B, 24-25, (1995) 138-141.
25. O. Elekes, D. Moscone, K. Venema and J. Korf
Bienzyme reactor for electrochemical detection of low concentrations of uric acid and glucose
Clinica Chimica Acta, 239 (1995) 153-165
26. D. Moscone, K. Venema, J. Korf
Ultrafiltrate sampling device for continuous monitoring
Medical & Biological Engineering & Computing, 34 (1996) 290-294
27. M. Cheregi, C. Matachescu, D. Moscone and A. Ciucu
Glucose and lactate biosensors coupled with microdialysis probe for continuous monitoring
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Analytical Letters, 31(5), (1998) 733-749.
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Rapid determination of lactulose in milk by microdialysis and biosensors.
Analyst, 124, (1999) 325-329
31. A. Amine, D. Moscone and G. Palleschi
Rapid determination of lactulose in milk using Seliwanoff's Reaction
Analytical Letters, 33 (2000) 125-135
32. A. Amine, D. Moscone, R.A. Bernardo, E. Marconi, and G. Palleschi
A new enzymatic spectrophotometric assay for the determination of lactulose in milk
Anal. Chim. Acta, 406 (2000) 217-224
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33. D. Moscone, A. Sbrilli, G. Palleschi, V. Carunchio
Fast Amperometric Determination of Enzymatic activity of Glutaminase
Analytical Letters, 33 (4) (2000) 615-627
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34. P. Albertano, L. Bruno, D. D'Ottavi, D. Moscone & G. Palleschi
Effect of photosynthesis on pH variation in cyanobacterial biofilms from Roman catacombs
J. of Applied Phicology, 12 (2000) 379-384
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Analytica Chimica Acta, 427:2 (2001) 173-180

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assembling as oxidase enzyme sensors
Analytical Chemistry, 73 (2001) 2529-2535
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J. of Electroanal. Chem, 509 (2001) 66-72
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A. Curulli, A.A. Karyakin
Electrosynthesis of poly-*o*-diaminobenzene on the Prussian Blue modified electrodes for improvement
of hydrogen peroxide transducer characteristics.
Bioelectrochemistry, 55 (2002) 145-148
41. L. Micheli, S. Di Stefano, D. Moscone, G. Palleschi, S. Marini, M. Coletta, R. Draisci, F. Delli Quadri
production of antibodies and development of highly sensitive immunoassay for saxitoxin analysis
Anal Bioanal Chem 373 (2002) 678-684
42. F. Ricci, A. Amine, G. Palleschi and D. Moscone
Prussian Blue based screen printed biosensors with improved characteristics of long-term lifetime and
pH stability
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Red Winemaking: Alcoholic Fermentation Monitoring by Electrochemical Biosensors in Industrial Scale
Plants
American Journal of Enology and Viticulture, 54 (2003) 39-45
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Prussian Blue and enzyme bulk modified Screen Printed Electrodes for hydrogen peroxide and glucose
determination with improved characteristic of storage and operational stability
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Biosensors and Bioelectronics 18 (2003) 891-898
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Krutovtsev, E.E. Karyakina, A.A. Karyakin
Flow-injection analysis of residual glucose in wines using a semiautomatic analyzer equipped with a
Prussian Blue based biosensor
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