

Nato nel 1960 a Monselice (PD).

Laureato in Chimica nel 1985 presso l'Università di Padova con punti 110/110 e lode.

1987-89. Dottorato di Ricerca. Effettua uno stage nel 1989 presso l'Ecole Normale Supérieure di Parigi per affinare la conoscenza delle tecniche di simulazione digitale di processi elettrochimici.

1990. Ottiene il titolo di dottore di Ricerca in Scienze Chimiche.

Vincitore di pubblico concorso prende servizio come Ricercatore il 16/07/1990 presso il Dipartimento di Chimica Inorganica Metallorganica ed Analitica dell'Università di Padova.

1993. Vincitore di borsa di studio CNR svolge nel 1993 un periodo di addestramento scientifico presso il gruppo di ricerca del prof. R.M. Wightman dell'Università del North Carolina a Chapel Hill, USA, dove studia i fenomeni di elettrochemiluminescenza.

1998. Vincitore di pubblico concorso prende servizio il 01/11/1998, con la qualifica di

Professore Associato presso il Dipartimento di Chimica Inorganica Metallorganica ed Analitica dell'Università di Padova.

2004. Vincitore di pubblico concorso prende servizio il 07/01/2004, con la qualifica di

Professore Ordinario di Chimica Analitica (CHIM01) presso il Dipartimento di Scienze Chimiche dell'Università di Padova.

2007. E' eletto presidente del CCS di Scienze e Tecnologie per l'Ambiente ruolo che ricopre a tutt'oggi.

Ha ottenuto finanziamenti dall'industria per la progettazione di sensori ottici per ossigeno e per numerose altri progetti riguardanti l'analisi chimica applicata a matrici ambientali ed industriali.

Ambiti di ricerca attuali: sensoristica, chimica analitica applicata.

Tesi negli ambiti di ricerca sopra riportati ed inoltre nell'analisi delle acque e degli integratori alimentari.

Orario di ricevimento: da concordare per via telefonica o per e-mail

Publicazioni degli ultimi 10 anni

1	New Possible Chelating Agents for Iron and Aluminum: 4-hydroxy-5-methyl-3-pyridinecarboxylic Acid and 1,5-dimethyl-4-hydroxy-3-pyridinecarboxylic Acid. <i>Annalisa Dean, Éva Sija, Éva Zsigó, Maria Grazia Ferlin, Daniele Marton, Valentina Gandin, Cristina Marzano, Denis Badocco, Paolo Pastore, Alfonso Venzo, Roberta Bertani, Tamás Kiss, Valerio Di Marco, J. Inorg. Biochem., (2013), 1310 - 1319.</i>
2	Signal Drift of an Oxygen Optical Sensors Part II: "Smart" Drift Correction Algorithm and its experimental check with a light intensity detection based sensor. <i>Denis Badocco, Andrea Mondin and Paolo Pastore, Sensors and Actuators B: Chem. (2013), 949 – 954</i>
3	Signal Drift of an Oxygen Optical Sensors Part I: Rationalization of the Drift Nature and its experimental check with a light intensity detection based sensor. <i>Denis Badocco, Andrea Mondin and Paolo Pastore, Sensors and Actuators B: Chem. (2013), 943 – 948</i>
4	Application of LC-MS and LC-MS-MS to the analysis of photo-decomposed crystal violet in the investigation of cultural heritage materials aging <i>Gabriella Favaro, Daria Confortin, Paolo Pastore, Marinarosa Brustolon, Journal of Mass Spectrometry, 47(2012)1660-1670</i>
5	Determination of thermodynamic parameters from light intensity signals obtained from oxygen optical sensors. <i>Denis Badocco, Andrea Mondin and Paolo Pastore, Sensors and Actuators B, 163(2012)165-170</i>
6	Theil-Sen nonparametric regression technique on univariate calibration, inverse regression and detection limits. <i>Irma Lavagnini, Denis Badocco, Paolo Pastore, Franco Magno, Talanta, 87(2011)180-188.</i>
7	Rationalization of the behaviour of a bi-label oxygen optical sensor. <i>Denis Badocco, Stefano Pegoraro, Andrea Mondin, Paolo Pastore, Sensors and Actuators B, 158(2011)54-61</i>
8	Occurrence of PAHs in seasonal snowpack of Eastern Italian Alps. <i>Jacopo Gabrieli, Fabio Decet, Alberto Luchetta, Mauro Valt, Paolo Pastore, Carlo Barbante, Environmental Pollution, XXX(2010)1-8</i>
9	Electrochemiluminescence of Ru(bpy)₃²⁺ loaded in Nafion Langmuir–Blodgett films: Role of the interfacial ultrathin film <i>Ligia Maria Moretto, Thiago Kohls, Denis Badocco, Paolo Pastore, Neso Sojic, Paolo Ugo, J. Electroanal. Chem., 640(2010) 35-41.</i>
10	Calibration models under dynamic conditions for determining molecular oxygen with optical sensors based on

	<p>luminescence quenching of transition metal complexes embedded in polymeric matrices <i>Denis Badocco, Andrea Mondin, Alberto Fusar, Paolo Pastore, J. Phys. Chem. C, 113(2009) 20467–20475</i></p>
11	<p>Influence of the Real Background Signal on the Linearity of the Stern-Volmer Calibration for the Determination of Molecular Oxygen with Optical Sensors <i>Denis Badocco, Andrea Mondin, Alberto Fusar, Paolo Pastore, J. Phys. Chem. C, 113(2009)15742-15750.</i></p>
12	<p>Use of electrochemical transient techniques to obtain thermodynamic and kinetic data for the speciation of Fe(III) complexes with 1,6-dimethyl-4-hydroxy-3-pyridinecarboxylic and 2-methyl-4-hydroxy-3-pyridinecarboxylic acids. <i>D. Badocco, M. Marcon, A. Mondin, A. Dean, V. B. Di Marco, P. Pastore, Dalton Transaction, 13(2009)2415-2422</i></p>
13	<p>1,6-dimethyl-4-hydroxy-3-Pyridinecarboxylic Acid and 4-hydroxy-2-methyl-3-Pyridinecarboxylic Acid as New Possible Chelating Agents for Iron and Aluminium <i>A. Dean, M. G. Ferlin, P. Brun, I. Castagliuolo, R. A. Yokel, D. Badocco, P. Pastore, A. Venzo, G. G. Bombi, V. B. Di Marco, Dalton Transaction, 10(2009)1815-1819.</i></p>
14	<p>Differential Photoluminescent and Electrochemiluminescent Detection of Anions with a Modified Ruthenium(II) Bipyridyl Complex <i>Emanuela Berni, Isabelle Gosse, Denis Badocco, Paolo Pastore, Neso Sojic, and Sandra Pinet, Chem. Eur. J., 15(2009)5145-5152.</i></p>
15	<p>Dependence of calibration sensitivity of a polysulfone/Ru(II)-Tris(4,7-diphenyl-1,10-phenanthroline)-based oxygen optical sensor on its structural parameters <i>D. Badocco, A. Mondin, P. Pastore, S. Voltolina, S. Gross, Anal. Chim. Acta, 627(2008)239-246.</i></p>
16	<p>Evaluation of 2-methyl-3-hydroxy-4-pyridine Carboxylic Acid as Possible Bidentate Chelating Agent for Iron and Aluminium <i>A. Dean, M. G. Ferlin, I. Castagliuolo, D. Badocco, P. Pastore, A. Venzo, G. G. Bombi, V. B. Di Marco, Dalton Transaction, (2008)1689-1697.</i></p>
17	<p>Definition and use of the experimental sensible parameters to characterize sensitivity and precision of a generic oxygen optical sensor <i>D. Badocco, P. Pastore, Anal. Chem., 80(2008)2091-2096. COR.at vol.80 p 3937.</i></p>
18	<p>Definition and use of the experimental sensible parameters to characterize sensitivity and precision of a generic oxygen optical sensor <i>D. Badocco, P. Pastore, Anal. Chem., 80(2008)2091-2096. COR.at vol.80 p 3937.</i></p>
19	<p>Quantitative Determination of Chlorophenols in Leather by pressurized liquid extraction and liquid Chromatography with diode array detection. <i>G. Favaro, D. De Leo, P. Pastore, F. Magno, A. Ballardini, J. Chromatogr. A, 1177(2008)36-42.</i></p>
20	<p>Electrochemical characterisation of 8-Hydroxyquinoline-5-Sulphonate/Aluminium(III) aqueous solutions. <i>D. Badocco, A. Dean, V.B. Di Marco, P. Pastore, Electrochim. Acta, 52(2007)7920-7926.</i></p>
21	<p>A pH-stat study of the reaction of some transition metal cations with disodium ethylenedinitilotetraacetate (EDTA) and its analytical application. <i>Carlo Maccà, Gabriella Favaro, Paolo Pastore, Talanta, 72(2007)655-662</i></p>
22	<p>Effect of eluent composition and pH and chemiluminescent reagent pH on ion chromatographic selectivity and Luminol-based chemiluminescence detection of Co²⁺, Mn²⁺ and Fe²⁺ at trace levels. <i>Denis Badocco, Paolo Pastore, Gabriella Favaro and Carlo Maccà, Talanta, 72(2007)249-255.</i></p>
23	<p>Determination of biogenic amines in fresh and processed meat by ion chromatography and integrated pulsed amperometric detection on Au electrode <i>G. Favaro, P. Pastore, G. Saccani, S. Cavalli, Food. Chem, 105(2007)1652-1658.</i></p>
24	<p>Use of Ru(bpy)₃²⁺/tertiary aliphatic amine system fast potential pulses electrochemiluminescence at ultramicroelectrodes coupled to electrochemical data for evaluating E° of amine redox couples. <i>Denis Badocco, Francesco Zanon and Paolo Pastore, Electrochim. Acta, 51(2006)6442-6450.</i></p>
25	<p>Influence of nature, concentration and pH of buffer acid–base system on rate determining step of the electrochemiluminescence of Ru(bpy)₃²⁺ with tertiary aliphatic amines <i>Paolo Pastore, Denis Badocco and Francesco Zanon, Electrochim. Acta, 51(2006)5394-5401.</i></p>
26	<p>Determination of Biogenic Amines in Chocolate by Ion Chromatographic Separation and Pulsed Integrated Amperometric Detection with Implemented Wave-form at Au Disposable Electrode. <i>Paolo Pastore, Gabriella Favaro, Denis Badocco, Andrea Tapparò, Silvano Cavalli, Giovanna Saccani, J. Chromatography A, 1098(2005)111-115.</i></p>
27	<p>Head Space Solid Phase Micro Extraction GC-ECD Determination of Volatile Hydrocarbons in Soils <i>P. Pastore, G. Favaro, D. Badocco, I. Lavagnini, Annali di Chimica, 95(2005)741-756.</i></p>
28	<p>Determination of Biogenic Amines in Fresh and Processed meat by Suppressed IC-MS Using a Cation Exchange Column <i>G. Saccani, E. Tanzi, P. Pastore, S. Cavalli, M. Rey, J. Chromatography A, 1082 (2005) 43–50.</i></p>

29	<p>Rate determining step in the Electrogenerated Chemiluminescence from tertiary amines with tris(2,2'-bipyridyl)ruthenium(II) <i>R. M. Wightman, S. Forry, R. Maus, P. Pastore, D. Badocco, J. Phys. Chem. B, 108(2004)19119-19125.</i></p>
30	<p>A comparison between the use of a Redox mediator in Solution and Surface Modified Electrodes in Electrocatalytic Oxidation of Nicotinamide Adenine Dinucleotide (NADH). <i>R. Antiochia, I. Lavagnini, P. Pastore, F. Magno, Bioelectrochem., 64(2004)157-163</i></p>
31	<p>Evidence of Cr(VI) Formation During Analysis of Leather. Proposal of an Alternative Method of Analysis Through the Ion Chromatographic Approach and Post-Column Reaction. <i>P. Pastore, G. Favaro, A. Ballardin, D. Danieletto, Talanta, 63(2004)941-947</i></p>
32	<p>Identification and semi-quantitative determination of gum Arabic in wines by GC-MS and size exclusion chromatography. <i>A. Gallina, E. Fiorese, P. Pastore and F. Magno, Annali di Chimica, 94(2004), 177.</i></p>
33	<p>Ion Chromatographic Determination of Sulfide and Cyanide in Real Matrices by Using Pulsed Amperometric Detection on Ag Electrode. <i>C. Giuriati, S. Cavalli, A. Gorni, D. Badocco and P. Pastore, J. Chromatogr. A, 1023(2004)105-112.</i></p>