

CURRICULUM VITAE

Ivan Vito Ferrari



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Sex Male | Date of Birth 03 /08/1988 | Nationality Italian

PREFERRED JOB

Research and development (Materials/Chemistry) ,Industrial Biotechnology , Nanotechnology, Research and Sustainable Development, Environmental pollution and Bioremediation

WORK EXPERIENCE

Experience in synthesis and characterization of polymeric ion exchanging membranes for electrochemical devices (such as fuel cells), Electrochemical Sensors, Nanotechnology and Biotechnology

Currently Position

Accademic Year: 01/11/2014- 01/11/2017

Double Ph.D. of Industrial Engineering of University Rome Tor Vergata in Cotutelle Grant) of University Aix-Marseille (France). date of discussion: 22/12/2017

Title of Doctoral thesis is : Ionic Conducting Organic and Inorganic Materials: Synthesis and Properties

EDUCATION

- 22/12/2017 PhD Thesis of Ionic Conducting Organic and Inorganic Materials: Synthesis and Properties
- 21 / 05/ 2014 : Master degree Of Industrial Biotechnology of University Rome Tor Vergata Final Vote (101/110).
Title of Master degree Thesis: Development of an electrochemical sensor for the determination of Peracetic acid in swimming pool water
Supervisor: Prof. Giuseppe Palleschi e Dott. Fabiana Arduini
- 23 /02 /2012 Bachelor's Degree Industrial Biotechnology of University Rome Tor Vergata. Final Vote (92/110)
Title of Thesis: Antitumor activity of theophylline in combination with Paclitaxel: a preclinical study on melanoma experimental lung metastasis Supervisor: Prof. Simone Beninati
- 01/ 02 / 2013- 01/03/2013 Erasmus student of Universty Autonoma de Madrid (Spain)
- 26 /09 /2008 State examination of higher education of High School "T. GULLACE TALOTTA" Rome. Final Vote 82 / 100
- 06 /07/ 2004 Degree of Solfeggio and Dictation Music at Conservatory Santa Cecilia Rome. Final vote 8/10

Personal skills

Mother tongue(s) Italian

Other Language(s)	UNDERSTANDING		SPEAKING		WRITING
	Ascolto	Lettura	Interazione	Produzione orale	
English	B2	B2	B2	B2	B2
Sostituire con il nome del certificato di lingua acquisito. Inserire il livello, se conosciuto					
Spanish	B2	B2	B2	B2	B2
Sostituire con il nome del certificato di lingua acquisito. Inserire il livello, se conosciuto					

Levels: A1 / A2: Base User - B1 / B2: Intermediate User - C1 / C2: Advanced User
Common European Framework of Reference for Languages

Communication skills ■ Ability to work in a group acquired during the academic career and during the training period. Good ability to identify a problem looking for solutions.

Communication skills Good skills in people coordination and workflow organization acquired during the training period and free time. Ability to organize a congress gained during the internship period at Ph.D program and Erasmus Experience during the Ph.D thesis. Erasmus Experience during Master Degree period Available to travel.

Job-related skills Ability to work in a clean room (class 1000-10000) acquired during the training period. Ability to work on Nuclear Magnetic Resonance (NMR) (basic knowledge), NMR (Nuclear Magnetic Resonance) SEM (Scanning Electron Microscope), (Cycle voltammetry) Amperometry (Amperometria) EIS (Impedance Spectroscopy Electrochemical) Organic synthesis acquired during the period of PhD thesis. Excellent practical skills.)

Computer skills Excellent knowledge of Windows (solving main problems and maintenance). Good knowledge of Office, particularly Word, Excel and Power Point. Good knowledge of computer programs for data analysis such as Origin and high capability to learn new programs. Excellent knowledge of Internet navigation. And Power point presentation, Excel, Word, Sigma plot, paint, .acdlabs NMR, Mat lab base, ChemSkech

AWARDS AND AWARDS

- 1 Financial support by the Franco-Italian University (Vinci program PhD cotutelle grant)
- 2 Financial support by 1-26 / 07/2017 International School of Physics "Enrico Fermi" Course Advances in Basic Energy Issues Varenna (lake Como)

PUBLICATIONS

1. Braglia, M. **Ferrari, I. V.** F, Vacandio. Knauth P. and Di Vona M. L. Anodic Electropolymerization of Sulfonated Poly (phenyl ether): Study of Precursor Isomers and Polymer Growth (2016) *Chemistry Select*, 1 pp. 3114-3119
2. **Ferrari I.V.**, Braglia M. Djenizian T., Knauth P. and Di Vona, M.L. electrochemically engineered single Li-ion conducting solid polymer electrolyte on Titania nanotubes for microbatteries. (2017) *Journal of Power Sources*, 353, pp.95–103.
3. Derbali Z., Fahs A., J Chailan., **Ferrari I. V.**, Di Vona, M L. Knauth P., Composite anion exchange membranes with hydrophilic or hydrophobic titanium dioxide.(2017) *International journal of hydrogen energy*, 42 (30)pp.19178-19189
4. Braglia M., **Ferrari I. V.**, Djenizian T., Kaciulis S., Soltani P., Di Vona M. L., Knauth P. Bottom-up electrochemical deposition of poly(styrene sulfonate) on nano-architected electrodes.(2017) *ACS Appl. Mater. Interfaces*, 9 (27), pp 22902–22910
5. Pizzoferrato R., E Ciotta. Di Vona M.L., **Ferrari I.V.**, Medaglia. PG. M, Mattoccia A., Digiamberardino L. “Ionic Conductivity of Zn-Al Layered Double Hydroxide Films Grown on Aluminum Substrate (Submitted in *Solid State Ionics*)
6. Braglia M., **Ferrari I. V.**, Djenizian T., Sette, M., Di Vona M. L., Knauth P. Electrochemical synthesis of thin, dense and conformal anion exchange membranes with quaternary ammonium groups. (Submitted in *Electrochimica Acta*)
7. Pizzoferrato, R., Ciotta, E., Ferrari, IV., Narducci, R., Varrone, A., Richetta, M., Antonaroli, S., Braglia, M., Knauth, P. and Di, Vona. ML Zn-Al layered double hydroxides containing ionic liquids: Ionic Conductivity and use as filler particles (Submitted) 2017
- 8.
9. 05/06/ 10 /2017: IFIB 2017 – Italian Forum on Industrial Biotechnology and Bio economy at the Congress Center of Palazzo Rospigliosi, (Via XXIV Maggio), 43. Rome
10. 18-23/ 06/2017 21 st International Conference Padua (Italy)
11. Third mission and technology transfer: the role of the CNR and University by National research council. June 15, 2016, Department of Engineering University of Rome Tor Vergata, Nanosciences
12. 3D international conference on Nano generators and Piezotronic and 1 st School on nanoenergy and nanosystems 13-17 th June 2016 CNR, University of Rome La Sapienza
13. Job network: Cosa fare dopo l’Università? 7 November 2016 University of Tor Vergata, Rome, Italy
14. International CBRNe Workshop “IW CBRNe : “Strategies and solutions to face ongoing global CBRNe threats”, 21 November 2014 University of Tor Vergata, Rome, Italy
15. Workshop materials in the space environment 17 May th 2016 Italian Space Agency (ASI): poster presentation
16. Professor JOHN LONGO: AFM Cantilevers beyond Imaging June 22, 2016 Universty of Rome Tor Vergata, Italy

PARTECIPATION AT CONGRESS

17. Prof. PHILIPPE Knauth, Introduction to Chemistry of Nanomaterials, 5 May 2015, and Electrolytic membranes: Ion conduction in nanometric channels, Department of Industrial Engineering 7 May, 2015, Department of Industrial Engineering University of Rome Tor Vergata

Poster Presentation

- ✓ Ferrari, I.V., Braglia, M., Pasquini, L., Knauth, P., Di Vona M.L. Ionomer Membranes for Energy. Poster presentation (Villa Méditerranée, Marseille) 12th-13th February 2015 PhD course on
- ✓ Braglia, M., Djenizian, T., Vacandio, F., Knauth, P., Ferrari, I.V., Montanari, R., Richetta, M., Di Vona, M. L. Micro-scale Energy storage and conversion. Poster presentation 12-13 febbraio 2015 (Villa Mediterranee, Marseille) 12th-13th February 2015

FORMATIONS AND ACTIVITIES

- ✓ 07/2017 International School of Physics "Enrico Fermi" Course - Advances in Basic Energy Issues Varenna (lake Como)
- ✓ 27/04/2017 25 e Journée de la Chimie Paca of Aix Marseille Université
- ✓ Metallurgy summer school: Experimental techniques for metal analysis: theory and applications, 26-29 July 2016 Bertinoro, Italy during the 3rd year of Ph.D.
- ✓ Metallurgy Summer School: Experimental techniques for the characterization of materials: from laboratory to production 26-29 th July 2015, University of Parma, Italy.
- ✓ Surface Metrology May 12-14 2015 Ph.D. in Industrial Engineering University of Rome Tor Vergata

Certifications

- ✓ Accademic Year 2017: Certificate B1 English School at Atlantic Language Dublin (Ireland)
- ✓ Accademic Year 2017: Advance course HACCP Consultant and Formator At the Faculty of Mathematical and Physical Natural Sciences of Universty Rome Tor Vergata
- ✓ Accademic Year 2017: Advance Course in Academic English at the Faculty of letters and philosophy of Universty Rome Tor Vergata
- ✓ Accademic Year 2016: Advance Course in Academic English at the Faculty of letters and philosophy of Universty Rome Tor Vergata
- ✓ Accademic Year 2016-2017: Advanced course in the Social Doctrine of the Church for the economic and social development
- ✓ Accademic Year 2016- 2017 Tutor of General Chemistry at faculty of Engineering of Universty Rome Tor Vergata
- ✓ Accademic Year 2015: Professional qualification of Biology at the Faculty of Mathematical and Physical Natural Sciences of Universty Rome Tor Vergata
- ✓ Accademic Year 2015-2016: Tutor of General Chemistry at faculty of Engineering of Universty Rome Tor Vergata
- ✓ 06/07/2004 Degree of Solfeggio and Dictation Music at Conservatory Santa Cecilia Rome. Final vote 8/10

Personal data

I authorize the processing of my personal data pursuant to Legislative Decree no. 196 "Code for the protection of personal data".
2013