

1. Name:	PODVORICA
2. Surname:	Fetah
3. Nationality:	Albanian
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5. Birthday:	26. 07. 1968
6. Gender:	M
7. Contact information:	
E-mail:	fetah.podvorica@uni-pr.edu
Tel:	038 249 872
8. Education level:	
<i>Institution:</i>	University of Prishtina
<i>Date:</i>	27/ 5/ 1993
<i>Diploma :</i>	Graduated chemist. Average score 9.91/10.0
<i>Institution:</i>	Universiteti i Parisit 7 - Denis Diderot
<i>Date:</i>	05/ 7/ 1997
<i>Diploma/ Master :</i>	Master- Electrochemistry.
<i>Institution:</i>	University of Paris 7 - Denis Diderot
<i>Date:</i>	30/ 6/ 2000
<i>Diploma/ PhD :</i>	PhD - Electrochemistry
<i>Institution:</i>	University of Paris 6 - Pierre & Marie Curie
<i>Date:</i>	14 /12/ 2010
<i>Diploma/ Habilitation :</i>	Habilitation degree to conduct research and the qualification to become a full professor
9. Academic titles:	
<i>Title</i>	Full professor
<i>Institution:</i>	University of Prishtina
<i>Achievement date:</i>	27/ 5/ 2009
<i>Title</i>	Corresponding member of Academy of Sciences and Arts of Kosova
<i>Institution:</i>	Academy of Sciences and Arts of Kosova
<i>Achievement date:</i>	21/ 12/ 2016
<i>Title</i>	Corresponding member of Academy of Sciences, Arts of Dijon, France
<i>Institution:</i>	Académie des Sciences, Arts et Belles Lettres de Dijon

Achievement date:	30/ 3/ 2017
10. Scientific contribution	
Publications	
<u>Book chapters</u>	
<p>1. Author of the chapter “Non-Diazonium Organic and Organometallic Coupling Agents for Surface Modification” in the book “Aryl Diazonium Salts New coupling agents in Polymer and Surface Science” Edited in 2012 by Wiley, Weinheim, Germany. http://onlinelibrary.wiley.com/doi/10.1002/9783527650446.ch12/summary</p> <p>2. Coauthor of the chapter “Electrode Surface Modification Using Diazonium Salts” in Electroanalytical Chemistry, A Series of Advances: Volume 26, Edited by Allen J. Bard and Cynthia G. Zoski, CRC Press 2015, Pages 115–224, DOI: 10.1201/b19196-4. http://www.crcnetbase.com/doi/10.1201/b19196-4</p>	
<u>Patents</u>	
<p>1. <i>Matériau métallique dont la surface est modifiée, son procédé de préparation et utilisation du matériau modifié.</i> O. Fagebaume, J. Pinson, F. Podvorica, French Patent, PCT/FR2001/000388 2001. http://www.google.com/patents/CA2398236A1?cl=fr</p> <p>2. <i>Metal material with modified surface, preparation method and use of same.</i> O. Fagebaume, J. Pinson, F. Podvorica, American Patent; US Pat. 427212000, 2005 http://scholar.google.com/citations?view_op=view_citation&hl=en&user=Aai0in0AAAAJ&citation_for_view=Aai0in0AAAAJ:GtLg2Ama23sC</p>	

Publications

Remark. The names of the authors in Podvorica’s group are given in alphabetical order

1. *Covalent Modification of Iron Surfaces by Electrochemical Reduction of Aryldiazonium Salts.* A. Adenier, M. C. Bernard, B. Desbat, E. Cabet-Deliry, M. M. Chehimi, O. Fagebaume, J. Pinson and **F. Podvorica**, *Journal of American Chemical Society*, **2001**, 123, 4541 – 4549. **American Chemical Society Journal (ACS): Impact factor 12.113. (cited 235 times).** (First author, PhD thesis)
<http://pubs.acs.org/doi/abs/10.1021/ja003276f?prevSearch=%255BContrib%253A%2Bpodvorica%255D&searchHistoryKey=>
2. *The Electrochemical Reduction of Aryldiazonium Salts on Iron electrodes. Their effects on Corrosion.* A. Chausse, M. M. Chehimi, J. Pinson, **F. Podvorica** and C. Vautrin-Ul, *Chemistry of Materials*, **2002**, 14, 392 – 400. **American Chemical Society Journal (ACS):**

Impact factor 8.354. (I cituar 140 herë). (First author, PhD thesis)

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3. *Attachment of Polymers to Organic Moieties Covalently Bonded to Iron Surfaces.* A. Adenier, T. Lalot, J. Pinson and **F. Podvorica** *Chemistry of Materials*, **2002**, 14, 4576 – 4585. **American Chemical Society Journal (ACS): Impact factor 8.354. (I cituar 80 herë). (First author, PhD thesis)**
<http://pubs.acs.org/doi/abs/10.1021/cm0211397?prevSearch=%255BContrib%253A%2Bpodvorica%255D&searchHistoryKey=>
4. *Organic Layers Bonded to Industrial, Coinage and Noble Metals through Electrochemical Reduction of Aryldiazonium Salts.* M. C. Bernard, A. Chausse, E. Deliry, M. M. Chehimi, J. Pinson, **F. Podvorica** and C. Vautrin-UI, *Chemistry of Materials*, **2003**, 15, 3540 – 3552. **American Chemical Society Journal (ACS): Impact factor 8.354. (I cituar 257 herë). (First author, PhD thesis)**
<http://pubs.acs.org/doi/abs/10.1021/cm034167d?prevSearch=%255BContrib%253A%2Bpodvorica%255D&searchHistoryKey=>
5. *Attachment of organic layers to conductive or semiconductive surfaces by reduction of diazonium salts.* Jean Pinson and **F. Podvorica**, *Chemical Society Reviews* **2005**, 34, 429 - 439. **Royal Society Journal (RSJ): Impact factor 28.53 (Cited 928 times).**
<http://pubs.rsc.org/en/Content/ArticleLanding/2005/CS/b406228k#!divAbstract>
6. *Time-of-flight Secondary Ion Mass Spectroscopy Characterization of the Covalent Bonding between a Carbon Surface and Aryl groups.* Combellas C., Kanoufi F., Pinson J. and **Podvorica F. I.**; *Langmuir*, **2005**, 21, 280 - 286. **American Chemical Society Journal (ACS): Impact factor 4.457 (I cituar 163 herë).**
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7. *Spontaneous grafting of Iron Surfaces by Reduction of Aryldiazonium Salts in Acidic Water. Application to the protection against corrosion.* Combellas C., Delamar M., Kanoufi F., Pinson J. and **Podvorica F. I.**; *Chemistry of Materials*, **2005**, 17, 3968 - 3975. **American Chemical Society Journal (ACS): Impact factor 8.354 (I cituar 149 herë). (First author,)**
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8. *Surface concentration dependence of grafted aryl groups onto glassy carbon (GC) from grafting potential during electrochemical reduction of aryl diazonium salts.* **F. I. Podvorica** dhe J. Pinson, *Chemica Acta Kosovica*, **2005**, 14(1), 25-32.
9. *Formation of Polyphenylene Films on Metal Electrodes by Electrochemical Reduction of Benzenediazonium Salts.* Adenier, A.; Combellas C. Delamar M., Kanoufi F., Pinson J. and **Podvorica F. I.**; *Chemistry of Materials*, **2006**, 18, 2021-2029. **American Chemical Society**

Journal (ACS): Impact factor 8.354 (I cituar 133 herë). (Correspondent Author)

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10. *Spontaneous grafting of Iron Surfaces by Reduction of Aryldiazonium Salts in Acidic Water. Applications to the inhibition of iron corrosion.* Combellas C., Delamar M., Kanoufi F., Pinson J. and **Podvorica F. I.**; *Passivation of Metals and Semiconductors, and Properties of Thin Oxide Layers*, Elsevier, **2006**, 697- 702. **(Correspondent Author)**
<http://www.sciencedirect.com/science/article/pii/B9780444522245501062>
11. *Surface Modification of Conducting Substrates. Existence of azo bonds in the structure of organic layers obtained from diazonium salts.* Doppelt, P.; Hallais, G.; Pinson, J.; **Podvorica, F.** and Verneyre, S.; *Chemistry of Materials*, **2007**, 19, 4570. **American Chemical Society Journal (ACS): Impact factor 8.354 (I cituar 169 herë).**
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12. *Sterically Hindered Diazonium Salts for the Grafting of a Monolayer on Metals*, C. Combellas, F. Kanoufi, J. Pinson and **F. I. Podvorica**, *Journal of American Chemical Society*, **2008**, 130, 8576. **American Chemical Society Journal (ACS): Impact factor 12.113. (I cituar 160 herë). (Correspondent Author)**
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15. *Steric effects in the reaction of aryl radicals on surfaces.* C. Combellas, De-en Jiang, F. Kanoufi, J. Pinson and **F. I. Podvorica**, *Langmuir*, **2009**, 25, 286-293. **American Chemical Society Journal (ACS): Impact factor 4.457. (I cituar 88 herë).**
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17. *Indirect Grafting of Acetonitrile Derived Films on Metallic Substrates*. A. Berisha, C. Combellas, F. Kanoufi, J. Pinson, S. Ustaze, **F. I. Podvorica**, *Chemistry of Materials*, **2010**, 22, 2962-2969. **American Chemical Society Journal (ACS): Impact factor 8.354. (I cituar 26 herë).** (Correspondent Author)
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18. *Comparative Study Of Degradation Of Herbicide Diuron Residues In Water By Various Fenton's Reaction-Based Advanced Oxidation Processes*. N. Oturan, M. C. Edelahi, M.A. Oturan, J.-J Aaron, **F. I. Podvorica**, K. El Kacemi, *Balwois*, **2010**.
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19. *Physisorption vs grafting of aryldiazonium salts onto iron: A corrosion study*. A. Berisha, C. Combellas, F. Kanoufi, J. Pinson, S. Ustaze, **F. I. Podvorica**, *Electrochimica Acta*, **2011**, 56, 10672-10676. **Elsevier. Impact factor 3.853. (I cituar 9 herë).** (Correspondent Author)
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20. *Oxidative degradation of herbicide diuron in aqueous medium by Fenton's reaction based advanced oxidation processes*. M.A. Oturan, N. Oturan, M. C. Edelahi, **F. I. Podvorica**, K. El Kacemi, *Chemical Engineering Journal*, **2011**, 171, 127. **Elsevier. Impact factor 3.074 (I cituar 127 herë).** <http://www.sciencedirect.com/science/article/pii/S1385894711003779>
21. *Photochemical Grafting and Patterning of Metallic Surfaces by Organic Layers Derived from Acetonitrile*. A. Berisha, C. Combellas, F. Kanoufi, J. Pinson, **F. I. Podvorica**. *Chemistry of Materials*, 2011, 23, 3449-3459. **American Chemical Society Journal (ACS): Impact factor 8.354. (I cituar 8 herë)**
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23. *Synthesis and Characterization of Co(II) Complexes with tridentate (ONO) Schiff bases*. D. Dehari, **F. Podvorica**, Sh. Dehari, M. Shehabi. *Studia Chemie*, 2012, 4, 33-38. **Impact factor 0.513. (Correspondent Author)**
24. *Radical Chemistry from Diazonium-Terminated Surfaces*. H. Hazimeh, S. Piogé, N. Pantoustier, C. Combellas, **F. I. Podvorica**, and F. Kanoufi. *Chemistry of Materials*, 2013, 25, 605-612. **American Chemical Society Journal (ACS): Impact factor 8.354. (I cituar 11 herë)**
25. *Surface grafting of a π -conjugated amino-ferrocifen drug*. O. Buriez, **F. I. Podvorica**, A. Galtayries, E. Labbé, S. Top, A. Vessières, G. Jaouen, C. Combellas, C. Amatore. *Journal of Electroanalytical Chemistry*, 2013, 699, 21-27. **Elsevier: Impact factor 2.58. (I cituar 8 herë)**

26. *Electrografting of Alkyl Films at Low Driving Force by Diverting the Reactivity of Aryl Radicals Derived from Diazonium Salts*. D. Hetemi, F. Kanoufi, C. Combellas, J. Pinson and **Fetah I. Podvorica**. *Langmuir*, **2014**, 30, 13907–13913. **American Chemical Society Journal (ACS): Impact factor 4.457. (Correspondent Author). (I cituar 15 herë)**
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27. *Influence of the anode materials on the electrochemical oxidation efficiency. Application to oxidative degradation of the pharmaceutical amoxicillin*. Flamur Sopaj, Manuel A. Rodrigo, Nihal Oturan, **F. I. Podvorica**, Jean Pinson, Mehmet A. Oturan. *Chemical Engineering Journal*, **2015**, 262, 286-294. **Elsevier. Impact factor 4.058. (I cituar 100 herë)**.
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28. *One-Step Formation of Bifunctional Aryl/Alkyl Grafted Films on Conducting Surfaces by Reduction of Diazonium Salts in the Presence of Alkyl Iodides*. D. Hetemi, F. Kanoufi, C. Combellas, J. Pinson and **F. I. Podvorica**. *Langmuir*, **2015**, 31, 5406 - 5415. **American Chemical Society Journal (ACS): Impact factor 4.457. (Correspondent Author). (I cituar 6 herë)**
<http://pubs.acs.org/doi/abs/10.1021/acs.langmuir.5b00754>
29. *Theoretical and experimental studies of the corrosion behavior of some thiazole derivatives toward mild steel in sulfuric acid media*. A. Berisha, F. Podvorica, V. Mehmeti, F. Sylja and D. Vataj. *Macedonian Journal of Chemistry and Chemical Engineering* **2015**, 34(2), 287-294. **(Correspondent Author). (I cituar 3 herë)**
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30. *Surface Modification of Polymers by Reaction of Alkyl Radicals*. D. Hetemi, J. Medard, F. Kanoufi, C. Combellas, J. Pinson and **F. I. Podvorica**. *Langmuir*, **2016**, 32, 512-518. **American Chemical Society Journal (ACS): Impact factor 4.457. (Correspondent Author). (I cituar 3 herë)**
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31. *Surface Functionalization of Metals by Alkyl Chains through a Radical Crossover Reaction*. D. Hetemi, J. Medard, P. Decorse, F. Kanoufi, C. Combellas, J. Pinson and **F. I. Podvorica**. *Langmuir*, **2016**, 32, 6335-6342. **American Chemical Society Journal (ACS): Impact factor 4.457. (Correspondent Author)**.
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32. *Effect of the anode materials on the efficiency of the electro-Fenton process for the mineralization of the antibiotic sulfamethazine*. F. Sopaj, N. Oturan, J. Pinson, **F. Podvorica**, M. A. Oturan. *Applied Catalysis B: Environmental*, **2016**, 199, 331-341. **Impact factor 9.446. (I cituar 31 herë)**
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33. *Grafting of Aluminium Surface with Organic Layers*. A. Berisha, H. Hazimeh, A. Galtayries, P. Decorse, F. Kanoufi, C. Combellas, J. Pinson and **F. I. Podvorica**. *RSC Advances*, **2016**, 6, 78369-78377. **Impact factor 3.108. (Correspondent Author)**.
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35. *Corrosion inhibition of mild steel in aqueous sulfuric acid solution using heterocyclic mercapto compounds – an experimental and theoretical study.* V. Mehmeti, K. Kalcher, **F. Podvorica**, A. Berisha. *Radiation&Applications*, **2017**, 2, 41 – 45.
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36. *Phenylamide-oxime and phenylamide nanolayer covalently grafted carbon via electroreduction of the corresponding diazonium salts for detection of nickel ions.* D. Pally, V. Bertagna, B. Cagnon, M. Alaeddine, R. Benoit, **F. I. Podvorica**, C. Vautrin-UI. *Journal of Electroanalytical Chemistry*, **2018**, 817, 101-112.
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38. *Experimental and theoretical studies on corrosion inhibition of niobium and tantalum surfaces by carboxylated graphene oxide.* Mehmeti, V. and **Podvorica, F.I.** *Materials* **2018**, 11(6), 893; **Impact factor 2.654**
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39. *Preparation of heterogeneous reverse osmosis membranes undergoing modification process.* B.S. Thaçi, B.S., Gashi, S.T. and Podvorica, F. I. *Desalination and Water Treatment*, **2018**, 118, 96-102.
DOI: 10.5004/dwt.2018.22619
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40. *Modification of the Surfaces of Materials with Aryl Diazonium Salts.* **Podvorica, F.I.** *Research*, **2018**, 23, 1-30. *Link Research_23_Kerkime_2018-05-07_691106.pdf*
41. *Advanced Oxidation Processes for the degradation of Persistent Organic Pollutants in Water.* F. I. Podvorica. *Proceedings of the Conference Approaching year 20??*. 2019, 387 – 398. Podgorica, 16-18 May 2019. http://bit.ly/approaching20_year
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43. *Electrochemical modification of platinum and glassy carbon surfaces with pyridine layers and their use as complexing agents for copper (II) ions.* V. Haziri, A. Berisha and **F. I. Podvorica**. *Open Chemistry*, **2019**; 17; 722–727. **Impact factor: 1.512**. <https://doi.org/10.1515/chem-2019-0084>
44. *The adsorption of aryldiazonium salts onto the (8,8) Single-Wall Carbon Nanotubes -an "Ab initio" and Monte Carlo study.* Avni Berisha and **Podvorica, F.I.** *Research*, **2019**, 24, 1-30. *Link Research_24_Kerkime_2019-24. KDU 541.2.pdf*
45. *Molecularly imprinted polymer modified glassy carbon electrodes for the electrochemical analysis of isoproturon in water.* I. Sadriu, S. Bouden, J. Nicolle, **F.I. Podvorica**, V. Bertagna, C. Berho, L. Amalric and C. Vautrin_Ul. *Talanta*, **2020**, 207, 120222. **Impact factor 4.916**. doi: 10.1016/j.talanta.2019.120222.
46. *Effect of cathode material on electro-Fenton process efficiency for electrocatalytic mineralization of the antibiotic sulfamethazine.* F. Sopaj, N. Oturan, J. Pinson, **F.I. Podvorica** and M.A. Oturan. *Chemical Engineering Journal*, 2020, 384, 123249. **Impact factor 8.355**. doi.org/10.1016/j.cej.2019.123249.
46. *Electrografting of methylamine through C–H activation or oxidation to give highly aminated surfaces.* J. Medard, A. Berisha, P. Decorse, F. Kanoufi, C. Combellas, J. Pinson and **F. I. Podvorica**. *Electrochimica Acta*, **2020**, 345, 136170. **Impact factor 5.383**. <https://doi.org/10.1016/j.electacta.2020.136170>.
47. *Surface modification of materials: Electrografting of organic films* J. Pinson and **F. I. Podvorica**. *Current Opinion in Electrochemistry*. **2020**, 24, 44-48. **Impact factor 7.271**. doi.org/10.1016/j.coelec.2020.05.016
48. *Direct vs indirect grafting of alkyl and aryl halides.* Hetemi, D., Kanoufi, F., Combellas, C., **Podvorica, F.I.** *ChemPhysChem*. 2021, **Impact factor 3.102**. DOI: [10.1002/cphc.202100296](https://doi.org/10.1002/cphc.202100296)
49. *Insight into the corrosion inhibition of new bis-quinolin-8-ols derivatives as highly efficient inhibitors for C35E steel in 0.5 M H₂SO₄.* M El Faydy, H About, I Warad, Y Kerroum, A Berisha, **F Podvorica**, F Bentiss, G Kaichouh, B Lakhriissi, A Zarrouk. *Journal of Molecular Liquids*, 2021, 342, 117333. **Impact factor 6.165**. doi.org/10.1016/j.molliq.2021.117333
50. *Corrosion Inhibition Study of Mild Steel in Aqueous Hydrochloric Acid Solution Using Brilliant Cresyl Blue – a Combined Experimental and Monte Carlo Study.* A. Berisha, **F. I. Podvorica**, R. Vataj. *Portugaliae Electrochimica Acta*, 2021, 39, 393-401. **Impact factor 1.493**. doi.org/10.4152/pea.2021390601.
51. *Modification of Cu(111) surface with alkyl phosphonic acids in aqueous and ethanol solution. An experimental and theoretical study.* V. Mehmeti, K. Kalcher and **F. I. Podvorica**. *Electrochem*. Accepted..

Citation of the papers

According to Google Scholar there are 4613 citations for the papers published by **Fetah**

Podvorica: <http://scholar.google.com/citations?user=Aai0in0AAAAJ&hl=en>

51. ORGANIZATION OF INTERNATIONAL SCIENTIFIC MEETINGS

Organizer of the Symposium 13 at 70th *Annual Meeting of the International Society of Electrochemistry*, Durban, South Africa, 4-9th August **2019**. https://annual70.isc-online.org/70th_Annual_meeting-program.pdf

Invited lectures in International Conferences

1. *Electrografting Beyond Diazonium Salts*. J. Pinson and F. I. Podvorica. 70th *Annual Meeting of the International Society of Electrochemistry*, Durban, South Africa, 4-9th August **2019**.

2. *Electrofenton process. The influence of electrode materials*. **F. I. Podvorica**. Conference “Water micropollutants: from removal to detection”. Orleans, France, 26-28 Novembre **2018**.

3. **F. I. Podvorica**, D. Hetemi, F. Kanoufi, C. Combellas and J. Pinson. 69th *Annual Meeting of the International Society of Electrochemistry*, Bologna, Italy, 02-07 Septembre 2018.

4. *Grafting of thin alkyl films on carbon, metal and polymer surfaces via a radical crossover reaction*. **F. I. Podvorica**, D. Hetemi, F. Kanoufi, C. Combellas and J. Pinson. 68th *Annual Meeting of the International Society of Electrochemistry*, Hague, Netherland, 21-26 August 2016.

5. *Electrografting of Alkyl Films at Low Driving Force by Diverting the Reactivity of Aryl Radicals Derived from Diazonium Salts*. **F. I. Podvorica**, D. Hetemi, F. Kanoufi, C. Combellas, and J. Pinson. 17th Topical Meeting International Society of Electrochemistry, Saint Malo, France, 30 May – 2 June 2015.

6. *Radicals Generated by H Atom Abstraction, their Attachment to Metallic Surfaces: the case of acetonitrile*, **F. I. Podvorica**, A. Berisha, C. Combellas, F. Kanoufi and J. Pinson, 61st *meeting of the International Society of Electrochemistry*, Nice, France, 26/09-01/10 **2010**.

7. *Electrografting of organic moieties from conductive surfaces: control of the thickness of the grafted layer by the chemical structure.* **F. I. Podvorica**, C. Combellas, F. Kanoufi and J. Pinson. 60th Annual Meeting of the International Society of Electrochemistry, Beijing, China, 16-21/08/2009.

8. *Direct and Indirect Electrografting of Surfaces.* Combellas C., F. Kanoufi and **Podvorica F.**; 58th Annual Meeting of the International Society of Electrochemistry, The Banff Centre, Banff, Canada, 09 – 14/09/2007.

Oral presentations

1. *Greffage de surfaces de conducteurs par sels de diazonium.* Deliry E., Pinson J., **Podvorica F.**; *Forum des microscopies à sonde locale*, Autrans, Isère, France, 29-31/3/1999.

2. *Formation de film de polyphénylène sur les métaux.* Combellas, C. ; Kanoufi, F. ; Pinson, J. and **Podvorica F. I.**, *Journées d'électrochimie*, Lyon, France, 2-6/7/2007.

3. *Steric effects in the reaction of aryl radicals on surfaces.* **F. I. Podvorica**, C. Combellas, D. Jiang; F. Kanoufi and J. Pinson. 4th Meeting ECHEMS, Camaret sur Mer, France, 25-28/06/2008.

4. *Électrogreffage a partir de sels de diazonium: de la monocouche à une couche micrométrique.* **F. I. Podvorica**, C. Combellas, D. Jiang; F. Kanoufi and J. Pinson. *Journées d'électrochimie*, Sinaia, Roumanie, 6-10/7/2009.

5. *Modifikimi i sipërfaqeve të metaleve me molekula të benzonitrilës të aktivizuara me anë të këmbimit të atomeve të hidrogjenit.* **F. I. Podvorica** dhe Avni Berisha. Konferenca Kombëtare e Kimisë organizuar nga Akademia e Shkencave dhe Arteve të Shqipërisë, 19 tetor 2011.

6. *The influence of anode material on electro-Fenton process efficiency.* F. Sopaj, N. Oturan, **F. I. Podvorica** and M. Oturan. Meeting on contaminated soils. Université Paris Est. 18-20 june 2012.

7. *Photografting versus electrografting for modifications of surfaces by organic layers.* **F. I. Podvorica**, C. Combellas, D. Jiang; F. Kanoufi and J. Pinson. *Journées d'électrochimie*, Paris, France, 8-11/7/2013.

8. *Electrografting of Alkyl Films at Low Driving Force by Diverting the Reactivity of Aryl Radicals Derived from Diazonium Salts.* **F. I. Podvorica**, D. Hetemi, F. Kanoufi, C. Combellas, and J. Pinson. 17th Topical Meeting International Society of Electrochemistry, Saint Malo, France, 30 May – 2 June 2015.

9. *Grafting of thin alkyl films on carbon, metal and polymer surfaces via a radical crossover reaction.* **F. I. Podvorica**, D. Hetemi, F. Kanoufi, C. Combellas, and J. Pinson. 67th Annual Meeting of the International Society of Electrochemistry, Hague, Netherland, 21-26 August 2016.

10. *Molecularly Imprinted Polymer Nano layers for the electrochemical detection of pesticides.* S. Bouden, I. Sadriu, J. Saade, V. Bertagna, B. Cagnon, B. Claude, R. Nehme, P. Morin, **F. Podvorica** and C. Vautrin-UI. 12th Meeting ECHEMS, 06- 09 June 2017, Milano Marittima – Italy.

11. *Elaboration de capteurs à base de polymères à empreintes moléculaires (MIPs) pour la détection de micropolluants émergents dans les eaux.* S. Bouden, I. Sadriu, J. Saade, V. Bertagna, B. Cagnon, B. Claude, R. Nehme, P. Morin, **F. Podvorica** and C. Vautrin-UI. *Journées d'électrochimie*, 26 Jun-29 June 2017, Bordeaux, France.

12. Surface modification of polymers by reaction of alkyl radicals.. **D. Hetemi**, C. Combellas, F. Kanoufi, J. Pinson, F. I. Podvorica, 25th international Conference on Materials and Technology, Portoroz, Slovénie, 16-19 Octobre **2017**.

13. *Modification of material surfaces with organic molecules.* **F. I. Podvorica**. Workshop on Material Composites. Academy of Sciences and Arts of Kosova. Prishtina 6th april 2018.

14. *Electrografting of copper surfaces with alkyl layers derived from alkyl diazonium salts.* **F. I. Podvorica**, D. Hetemi, F. Kanoufi, C. Combellas, and J. Pinson. 69th Annual Meeting of the International Society of Electrochemistry, Bologna, Italy, 02-07 Septembre 2018.

15. *Electrochemical preparation of a molecularly imprinted polypyrrole - modified glassy carbon electrode for determination of isoproturon.* I. Sadriu, B. Cagnon, V. Bertagna, **F. I. Podvorica**, C. Vautrin-UI. Conference “Water micropollutants: from removal to detection”. Orleans, France, 26-28 Novembre **2018**.

16. *Advanced Oxidation Processes for the degradation of Persistent Organic Pollutants in Water.* **F. I. Podvorica**. International Conference “Approaching year 20??” organized at Academy of Sciences and Arts of Montenegro. Podgorica, 16-19 May 2019.

17. *Electrochemical Preparation of a Molecularly Imprinted Polypyrrole – modified Glassy Carbon Electrode for Determination of Isoproturon.* Imer Sadriu, S. Bouden, J. Nicolle, **F. Podvorica**, K. Gondry, L. Amalric, B. Claude, C.Vautrin-UI. The 13th ECHEMS Saint-Pierre-d'Oleron, France, 20 - 23 May **2019**.

18. *Greffage de molécules organiques par détournement de la réactivité des radicaux aryles.* **F. I. Podvorica**. Journée « Greffage de molécules organiques » CEA Saclay France. 27th Septembre **2019**.

19. *Modification des surfaces de matériaux avec des groupes organiques et dégradation de polluants organiques persistants par voie électrochimique.* Inauguration Conference as corresponding member of Academie des Sciences, des Arts et Belles Lettres de Dijon. 10th April 2019.

Proceedings and Poster presentations

20. Pinson J., **Podvorica F.**; *1^{ères} Journées de la matière condensée de Paris-Centre*, Paris, France, 23-24/03/**1999**.
21. Coulon E., Deliry E., Pinson J., **Podvorica F.**; *Journées d'électrochimie*, Toulouse, France, 1-4/06/**1999**.
22. Adenier A., Lalot T., Pinson J., **Podvorica F.**; *2^{èmes} Journées de la matière condensée de Paris-Centre*, Paris, France, 23-24/01/**2000**.
23. **F. I. Podvorica**, C. Combellas, M. Delamar, F. Kanoufi and J. Pinson. *9 International Symposium for Pasivation of Metals, semiconductors and the properties of thin oxide layers*. Paris, France, 27/06 – 01/07/**2005**.
24. Combellas C., Kanoufi F., Pinson J. and **Podvorica F. I.** *Journées de Nanochimie*. Paris, France, 31/01- 01/02/**2006**.
25. **F. I. Podvorica**, C. Combellas C., F. Kanoufi and J. Pinson. *57th Annual Meeting of the International Society of Electrochemistry*. Edinburgh, Scotland, 31/8–06/9/**2006**.
26. **F. I. Podvorica**, C. Combellas, J. Pinson. *5th International Conference of the Chemical Societies of the South-East European Countries*, Ohrid, Macedonia, 10 – 14/9/**2006**.
27. **T. Selimi**, S. Gashi, **F. I. Podvorica** and B. Thaçi. *5th International Conference of the Chemical Societies of the South-East European Countries*, Ohrid, Macedonia, 10 – 14/ 9/ **2006**.
28. Gashi S. T.; Daci N. M.; **Podvorica F. I.**; Selimi T. and **Thaçi B. S.** *Euromembrane 2006*, Napoli, Italy, 24 – 28/9/ **2006**.
29. Gashi S. T., Daci N.M., **Podvorica F.I.**, Selimi T. and **B. S. Thaçi**. *Permea 2007*; Siofok, Hungary, 02-06/09/ **2007**.
30. *Photochemical Grafting of Acetonitrile and Iodoacetonitrile on Metallic Surfaces*. **A. Berisha**, C. Combellas, F. Kanoufi, J. Pinson and **F. I. Podvorica**, *61st meeting of the International Society of Electrochemistry*, Nice, France, 26/09-01/10 **2010**.
31. *Electrochemical versus Photochemical Grafting of Acetonitrile onto Metals* **A. Berisha**, C. Combellas, F. Kanoufi, J. Pinson and **F. I. Podvorica**, *7th Meeting ECHEMS*, Paris, France, 23-26/05/**2011**.
32. **A. Berisha**, M. Bouriga, C. Combellas, A. Deronzier, F. Kanoufi, J. Pinson, **F. Podvorica**, *Journées d'électrochimie*, Paris, France, 8-11/7/**2013**.
33. *Electrochemical study of the complexation of metal ions onto the organic layers derived from electrochemical reduction of the 'in situ' formed pyridine derivatives of diazonium salts*. V.

Haziri, A. Berisha, **F. Podvorica**. "From Molecules to Functionalized Materials", Cluj-Napoca, Romania; 10/2013.

34. *Synthesis and the use of derivatives of silanes as corrosion inhibitors*. G. Hasani, A. Berisha, P. Neumann, **F. Podvorica**: "From Molecules to Functionalized Materials", Cluj-Napoca, Romania; 10/2013.

35. *Modification of iron surface with heterocyclic diazonium salts. Application to iron protection against corrosion*. A. Berisha, **F. Podvorica**, V. Mehmeti, F. Rexhepi, F. Sylva, D. Vata. XXIII Congress of Chemists and Technologists of Macedonia, Ohrid, Macedonia; 08/2014.

36. *The role of surfactants (Triton X-100 and Sodium Dodecylbenzenesulfonate) on the electrochemical determination of Ascorbic Acid*. F. Hashani, J. Halili, V. Mehmeti, K. Jusufi. A.

Berisha, M. Paqarizi, F. Podvorica. *Conference: Workshop "From Molecules to Functionalized Materials"*. Oher, September 2016.

37. *Sinteza, studimi elektrokimik, spektroskopik dhe teorik (DFT/B3LYP) i derivateve të substituara të benzendiazoniutetrafluoroborateve dhe dediazonimi i tyre përmes mikrogrimeve të hekurit në mjedis acidik*. B. Shatri, Gj. Hulaj, V. Mehmeti, **F. Podvorica**, A. Berisha. Alb Shkenca Tirane September 2016.

38. *Tailoring the surface of activated carbon powder through the modification by aryl groups. A pesticide adsorption study*. B. Shatri, Gj. Hulaj, V. Mehmeti, **F. Podvorica**, A. Berisha, J. Halili, K. Jusufi. *Conference: XXIV Congress of Chemists and Technologists of Macedonia, Ohrid Macedonia* September 2016.

39. *Corrosion inhibition of mild steel in aqueous sulfuric acid solution using heterocyclic mercapto compounds – an experimental and theoretical study*. V. Mehmeti, K. Kalcher, **F. Podvorica**, A. Berisha. *Radiation journal*, 2017, 2, 41-45.

40. *The effect of the chain length of n-carboxylic acids onto the corrosion inhibition of copper in chloride and acidic aqueous media*. V. Mehmeti, **F. Podvorica**, K. Kalcher, A. Berisha, T. Arbnesi, J. Halili. *Conference: 25th Croatian meeting of chemists and chemical engineers*. April 2017, Porec, Croatia.

41. *The use of murexide and methyl orange as corrosion inhibitors for mild steel in the sulfuric acid media*. L. Çoçaj, F. Kurtaj, A. Berisha, **F. Podvorica**. ICNSM 2017, Tetove, Maqedoni.

42. *Një studim teorik dhe eksperimental mbi sjelljen e acideve n-alkanoike mbi sipërfaqen e çelikut të butë në mjedisin ujor të klorureve dhe atë acidik*. V. Mehmeti, **F. Podvorica**, K. Kalcher, A. Berisha, J. Halili. Alb Shkenca 2017 Prishtine, Kosove.

43. *Experimental and Monte Carlo simulation studies of carboxylic acids as corrosion inhibitors on iron in acidic medium*. V. Mehmeti, R. Vataj, A. Berisha, F. Podvorica. *Conference: Java e Shkencës 2018, Prishtine, Kosove*.

44. "Ab Initio" evaluation of the interaction strength, bond population, and geometry between gold cluster with an increased number of atoms and the nitrothiophenyl- or nitrophenyl-radicals. A. Berisha, **F. Podvorica**, J. Halili, V. Mehmeti, K. Jusufi. *Conference: Java e Shkencës 2018, Prishtine, Kosove.*

45. The impact of the modified graphite microparticles (with carboxyphenylene and benzenesulfonic groups) towards the corrosion behaviour of the mild steel in an aqueous solution of sulfuric acid. B. Shatri, B. Jashari, V. Mehmeti, J. Halili, R. Vataj, **F. Podvorica**, A. Berisha. *Conference: Java e Shkencës 2018, Prishtine, Kosove.*

46. Modification of material surfaces with organic molecules. **F. I. Podvorica**. Proceeding at Composite Materials. Academy of Sciences and Arts of Kosova. 2018

47. Application of Ti/IrO_2-RuO_2 and Boron doped Diamond (BDD) for the degradation of Organic Pollutants in water media. F. Sopaj, F.I. Podvorica, M. Oturan. Proceeding at Composite Materials. Academy of Sciences and Arts of Kosova. 2018

48. Formimi i shtresave alkile në polimerë për aplikime bio-mjekësore. D. Hetemi, F. I. Podvorica, F. Kanoufi, C. Combellas, J. Pinson. Proceeding at Composite Materials. Academy of Sciences and Arts of Kosova. 2018

49. Tuning the adsorption performance of graphite flakes through covalent surface modification with substituted phenyl layers derived from diazonium salts. E. Neziri, N. Haliti, L. Canziba, V. Thaqi, T. Arbneshi, I. Hashani, V. Mehmeti, J. Halili, **F. Podvorica**, A. Berisha. *Conference: XXV Congress of Chemists and Technologists of Macedonia, Ohrid Macedonia September 2018.*

50. Surface modification impact on the graphene oxide adsorption performance toward the Aldrin® molecule. N. Haliti, L. Canziba, E. Neziri, V. Mehmeti, J. Halili, R. Vataj, **F. Podvorica**, A. Berisha. *Conference: XXV Congress of Chemists and Technologists of Macedonia, Ohrid Macedonia September 2018.*

51. Effect of time, bubble diameter and pH value on the electrochemical behavior of oxygen bubble emerged on hematite and gold electrode. V. Haziri, J-F., Boily, A. Berisha, **F. Podvorica**, F. Gashi, , R. Vataj, B. Thaqi, M. Paqarizi. *Conference: XXV Congress of Chemists and Technologists of Macedonia, Ohrid Macedonia November 2018.*

52. Degradation of methyl violet, methyl blue, and methyl red by Fenton process. B. Mulaj, M. Raja, M. Hamidi, S. Govori, R. Vataj, **F. I. Podvorica**, Flamur Sopaj. *Conference: XXV Congress of Chemists and Technologists of Macedonia, Ohrid Macedonia November 2018.*

53. The effect of the surfactants on the electrochemical detection performance of the vitamin C. F. Hashani, I. Osmani, T. Demelezi, J. Halili, M. Paqarizi, I. Hashani, **F. Podvorica**, A. Berisha. *Conference: XXV Congress of Chemists and Technologists of Macedonia, Ohrid Macedonia November 2018.*

54. *Surface covalently grafted pyridine layers as a complexing interface for heavy metal ions.* V. Haziri, A. Berisha and **F. Podvorica**. *Conference: II International Joint Science Congress of Materials and Polymers*, Durrës, Albania, November 2018.

55. *Strategy of functionalization for micropollutants electrochemical detection.* I. Sadriu, S. Bouden, J. Nicolle, **F. Podvorica**, K. Gondry, E. Mathieu-Scheers, C. Grillot and C. Vautrin Ul. The 5th edition of Nanotech France 2019 International Conference and Exhibition Nano Tech, 26 -28 June 2019, Paris France.

56. *Electrochemical Preparation of a Molecularly Imprinted Polypyrrole modified Glassy Carbon Electrode for Determination of Isoproturon.* I. Sadriu, S. Bouden, J. Nicolle, **F. Podvorica**, K. Gondry, E. Mathieu-Scheers, C. Grillot and C. Vautrin Ul. 13th ECHEMS Meeting, 20 - 23 May 2019. St Pierre d'Oleron, France.

57. *The Adsorption of Ni(II) Ions onto Graphene Oxide : A Combined Experimental and Theoretical (DFT, Monte Carlo) Study.* R. Plakaj, D. Gashi, A. Alija, V. Mehmeti, **F. Podvorica**, V. Thaqi, A. Berisha. ISCMP, September 2019.

58. *The Interaction of Some Alkyl Phosphonic Acids with the Cu(111) Surface in Aqueous Acid and Ethanol Media - a Monte Carlo Study.* V. Mehmeti, **F. I. Podvorica**, R. Vataj. ISCMP, September 2019.

Lectures as Invited professor

1. Lecture entitled « *Greffage de surfaces conductrices par réduction électrochimique de sels aryldiazonium* » **22th May 2003** at Laboratoire ``Chimie analytique et environnement``, ESPCI, Paris, France.

2. Lecture entitled « *Greffage de surfaces des métaux par réduction électrochimique de sels de diazoniums* » **27th May 2004** at Laboratoire des métaux, CNRS, Thiais, France.

3. Lecture entitled « *Grafting of material surfaces by aryldiazonium salts* » **21th November 2008** at Chemistry Department of University of Aarhus in Denmark.

4. Lecture entitled « *Modification of the Material's Surface with Aryl Diazonium Salts* » **23th June 2009** at Laboratoire « Géomatériaux et Géologie de l'Ingénieur », Université Paris-Est, France.

5. Lecture entitled « *Modification de surfaces par des sels d'aryl diazonium* » **25th February 2011**, SCAN (Séminaire de Chimie Autor des Nanosciences) at Faculty of Chemistry, Université Paris-Diderot, France.

6. Lecture entitled « *The Use of the Aryl Diazonium Salts for the Modification of the Materials Surfaces* » **2nd November 2011** at Chemistry and Mineralogy Faculty of University of Leipzig in Germany.

7. Lecture entitled « *Modification of Carbon Surfaces with organic molecules*» **9th October 2012** at Chemistry Department, Faculty of Natural Sciences, University of Skopje in Macedonia.

8. Lecture entitled « *The use of chemically and electrochemically grafted films on material surfaces as electrochemical sensors*» **9th October 2012** at Chemistry Department, Faculty of Natural Sciences, University of Skopje in Macedonia.

9. Lecture entitled « “Electrografting of polymers onto material surfaces» **6th September 2014** organized by Chemistry Department, Faculty of Natural Sciences, University of Skopje in Oher, Macedonia.

<http://eprints.ugd.edu.mk/10924/1/book%20of%20abstracts%202014%20and%20programme%20SOE%20DAAD%20Ohrid%202014.pdf>

10. Lecture entitled “Grafting of organic films for molecular electronic junctions» **2nd September 2014** organized by Chemistry Department, Faculty of Natural Sciences, University of Skopje in Oher, Macedonia.

<http://eprints.ugd.edu.mk/16229/1/BOOK%20OF%20ABSTRACTS%2C%20Workshop%202016.pdf>

11. Lecture F. Podvorica, Humbolt Colleg Ohrid 20-23 april 2018.

12. Three Lectures in the module- Recent Trends in Chemistry (7-15 June 2018). Lectures offered under the Erasmus+ Scheme. I) Diazonium salts as coupling surface agents; II) Electrografting of polymers - Nanocomposites and Molecular electronics; III) Electrografting of coinage metals surface with organic moieties- Inhibition of their corrosion.

https://www.chemie.uni-leipzig.de/download/0/0/1844051885/4ff27a881fc1ee87a658b0a4f6b18b7ba70928fc/fileadmin/www.chemie.uni-leipzig.de/uploads/stundenplan/SoSe_2018/13-121-1416_lecture_announcements_berisha-u-podvorica.pdf

13. Invited Video Lecture entitled “*Indirect electrografting of alkyl and aryl halogens by diverting the reactivity of aryl radicals derived from aryl diazonium salts*”. Chemistry Department of University of Leuven. Host Prof. Stephen de Feyter. 11.00 h – 12.25 h. 11/05/2020.