

CURRICULUM VITAE

Dr Gordana Ćirić-Marjanović, full professor



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Personal data

Born on March 13th 1967, in Pirot, Republic of Serbia.

Education

Primary and secondary school – Pirot, Serbia.

1989 – BSc in Physical Chemistry at University of Belgrade, Faculty of Science and Mathematics, Department of Physical Chemistry.

1994 – MSc in Physical Chemistry at University of Belgrade, Faculty of Physical Chemistry.

2003 – PhD in Physical Chemistry at University of Belgrade, Faculty of Physical Chemistry.

History of employment

1990 – up to the present date employed at University of Belgrade- Faculty of Physical Chemistry:

1990–2003 Teaching assistant

2004–2008 Assistant professor

2009 – 2015 Associate Professor

2015 up to the present Full Professor (BSc studies: the course *Physical Chemistry 2* at Faculty of Chemistry, University of Belgrade, and the course *Physical Chemistry of Macromolecules* at Faculty of Physical Chemistry, University of Belgrade; PhD studies: the courses *Conducting Polymers* and *Structural Characterization of Macromolecules* at Faculty of Physical Chemistry, University of Belgrade; MSc studies: a part of the course *Methods and Methodology in Physical Chemistry Research*).

Research interest

Physical chemistry of polymers and materials. Synthesis and characterization (molecular and supramolecular structure, electrical, electrochemical, thermal, magnetic, antioxidant, textural and other properties) of electroconducting and electroactive polymers, carbonaceous materials and composites based on them, and their applications (supercapacitors, fuel cells, electrochemical sensing, environmental protection, photocatalysis, etc). Mechanisms of oxidative polymerizations (aromatic amines, heterocyclic aromatic compounds) leading to conductive/electroactive polymers. Nanostructures of conducting polymers and carbonaceous materials (e.g. N-containing 1-D nanocarbons): their preparation, mechanism of formation, properties, composites, and applications. Characterization techniques: Raman, FTIR, UV-Vis and EPR spectroscopies, XRD, TGA/DSC, electrochemical and electrical conductivity measurements, SEM, TEM, etc.

Awards

- Member of the Editorial board of *Synthetic Metals* (Impact Factor (2020): 3.266, Elsevier) since November 2021
- 2015 – Best patent in 2013/2014, awarded by Belgrade Chamber of Commerce (patent “*Electrolytic supercapacitor based on carbon nanoparticles with aqueous electrolytic solution*”)
- 2012 – Certificate “*Synthetic Metals- Top Cited Article 2007-2011*” (awarded as the author of one of the 20 most cited articles 2007-2011 published in *Synthetic Metals*, for the paper *Chemical oxidative polymerization of anilinium sulfate versus aniline: Theory and Experiment*, *Synth. Met.* 158 (2008) 200-211).
- 2003 – *Best Doctoral Thesis defended in the period 2001-2003*, awarded by the Yugoslav Materials Research Society

Selected Lectures

- G. Ćirić-Marjanović: *Computational insights into the mechanism of the oxidative polymerization of arylamines*, invited lecture, 75th Prague Meeting on Macromolecules-Conducting Polymers: Formation, Structure, Properties and Applications, Prague, Czech Republic, 10–14 July 2011, Programme booklet IL02, p.39.
- G. Ćirić-Marjanović: *Conducting and redox-active oligomers and polymers of arylamines: synthesis, structure, properties and applications in nanotechnology*, invited lecture, Golden Jubilee Meeting of the Serbian Chemical Society, 14.-15. June 2012, Belgrade, Serbia.
- G. Ćirić-Marjanović: *Progress in polyaniline composites with transition metal oxides*, invited lecture, Workshop on Synthesis of advanced nano- and bio-colloidal materials with highly active surfaces- Joint Meeting of WG3 and WG4, COST Action CM1101, 30. June 2014, Belgrade, Serbia
- G. Ćirić-Marjanović: *Nanostructures of electroconducting polymers and carbon nanomaterials produced by their carbonization*, in the frame of series “Fascinate World of Nanoscience and Nanotechnology”, Serbian Academy of Science and Arts, January 30th, 2018, Belgrade, Serbia.

International scientific collaboration

Mainly in the field of synthesis and physico-chemical characterization of materials based on electroconducting and electroactive polymers/oligomers and carbonaceous materials with scientists from

- Switzerland: ETH Zurich – Prof. Peter Walde, Department of Materials, Prof. Reinhard Kissner Department of Chemistry and Applied Biosciences
- New Zealand: Polymer Electronics Research Centre, University of Auckland– Prof. Jadranka Travas-Sejdic
- Germany: Jacobs University, Bremen–Prof. Ulrich Kortz; Brandenburg University of Technology Cottbus-Senftenberg, Department of Nanobiotechnology – Prof. Vladimir Mirsky
- Czech Republic: Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, Prague – Dr Jaroslav Stejskal, Dr Miroslava Trchová, Dr Beata Zasońska, Dr Patrycja Bober, Dr Jiří Pflieger, Dr Zuzana Morávková, Dr Ivana Šeděnková
- Japan: National Institute of Technology, Oyama College, Department of Materials Chemistry and Bioengineering, Oyama – Dr Keita Kashima, Dr Tomoyuki Fujisaki

- Slovenia: Jožef Stefan Institute, Ljubljana – Dr Marija Vukomanović
- Austria: Kompetenzzentrum Holz GmbH, Linz– Dr Christoph Unterweger, Dr Stefan Breitenbach
- Slovakia: Polymer Institute, Slovak Academy of Sciences, Bratislava– Dr Mariá Omastová, Dr Matej Mičušík

Publications:

Book Chapters:

1. G. Ćirić-Marjanović, Polyaniline Nanostructures, Chapter 2 in *Nanostructured Conductive Polymers*, ed. A. Eftekhari, John Wiley & Sons, Ltd, Chichester, UK. 2010, pp. 19–98, Print ISBN: 9780470745854, Online ISBN: 9780470661338.
2. G. Ćirić-Marjanović, Progress in Polyaniline Composites with Transition Metal Oxides, Chapter 2 in *Fundamentals of Conjugated Polymer Blends, Copolymers and Composites*, Ed. P. Saini, Wiley-Scrivener, 2015, pp. 119–161, ISBN: 978-1-118-54949-0.
3. G. Ćirić-Marjanović, Nanostructures of electro-conducting polymers and carbon nanomaterials produced by their carbonization, in *Fascinating World of Nanoscience and Nanotechnology*, Serbian Academy of Sciences and Arts, Lecture series, book 6, 2020, pp. 123-154, ISBN: 978-86-7025-859-4
4. M. Radoičić, M.Vranješ, J.Kuljanin Jakovljević, G.Ćirić-Marjanović, Z.Šaponjić, Probing the optical, magnetic and photocatalytic properties of doped TiO₂ nanocrystals and polymer based nanocomposites for various applications, in *Fascinating World of Nanoscience and Nanotechnology*, Serbian Academy of Sciences and Arts, Lecture series, book 6, 2020, pp. 155-182, ISBN: 978-86-7025-859-4

Books:

- 1) University textbook: D. Minić, D.Stanisavljev, N.Cvjetičanin, M. Kuzmanović, Lj. Ignjatović, G. Ćirić-Marjanović, **Introduction to Laboratory Work (Uvod u laboratorijski rad)**, in Serbian, University of Belgrade - Faculty of Physical Chemistry, Serbia, 2003. (1st Ed) ISBN 86-82139-18-9; 2005. (2nd Ed) ISBN 86-82139-23-5; 2007. (3rd Ed) ISBN 978-86-82139-23-2; 2010. (4th Ed) ISBN 978-86-82139-23-2.
- 2) University textbook: G. Ćirić-Marjanović, **Physical Chemistry of Macromolecules (Fizička hemija makromolekula)**, in Serbian, University of Belgrade-Faculty of Physical Chemistry, Serbia, 2015, ISBN 978-86-82139-51-5.

Papers in scientific journals: 107

102 in international peer-reviewed WoS journals, 5 in national peer-reviewed journals.

National patents (accepted): 2

- 1) Patent application II-2011/0565, Patent No. 53366, Nemanja Gavrilov, Igor Pašti, Milica Vujković, Gordana Ćirić-Marjanović, Slavko Mentus, „*Electrolytic supercapacitor based on carbon nanoparticles with aqueous electrolytic solution*“.
- 2) Patent application P-2012/0584; Patent No. 54982, Gavrilov Nemanja, Pašti Igor, Krstić Jugoslav, Ćirić-Marjanović Gordana, Mentus Slavko, „*Synthesis of nanodispersed composite of tungsten carbide and carbon by the method of simultaneous reduction and carburization of WO₃ via carbon material rich in covalently bounded nitrogen*“.

Conferences communications: 75

63 at international and 12 at national scientific conferences.

Citation

- Citation number: 4005 (SCOPUS, 22-12-2021), 5210 (Google Scholar, 22-12-2021)
- Hirsch index: 35 (SCOPUS, 22-12-2021), 37 (Google Scholar, 22-12-2021).

Scientific projects/grants:

National projects:

2002–2005 No. 1399: *Structure, thermodynamic and electrochemical properties of contemporary materials for energy conversion and electronic components*, Ministry of science and environmental protection of Republic of Serbia (participant).

2006–2010 No. 142047: “Structure, thermodynamic and electrochemical properties of modern materials for energy conversion and novel technologies”, project No. 142047, Ministry of Science of Republic of Serbia (participant).

2011–2019: “*Electroconducting and redox-active polymers and oligomers: synthesis, structure, properties and applications*” project No. OI 172043, Ministry of Education, Science and Technological Development of Republic of Serbia (PI).

2022–2024: “*Advanced Conducting Polymer-Based Materials for Electrochemical Energy Conversion and Storage, Sensors and Environmental Protection - AdConPolyMat*“, the program IDEAS, Science Fund of the Republic of Serbia (PI).

International projects:

2010–2014: COST Action MP1003 “*European Scientific Network for Artificial Muscles*”, (a member of the Management Committee, a coordinator of the national team).

2007–2009: IUPAC project No. 2006-018-2-400, Polymer Division of IUPAC: “*Infrared spectroscopy of conducting polymer nanotubes*” (participant).

2005–2007: Bilateral project “*Agreement on Scientific Research Cooperation on the Synthesis and Structure of Conducting Polymers*” between Faculty of Physical Chemistry, University of Belgrade and Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic (coordinator).

2008–2009: Bilateral project “*Agreement on Scientific Research Cooperation on the Synthesis and Characterization of Conducting Polymers*” between Faculty of Physical Chemistry, University of Belgrade and Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, project duration (coordinator).

01.10.2013.-30.9.2014: Danube States R&D network project: “*New materials and devices based on conducting polymers and their composites*” Grant no. 01DS13013, financed by German Federal Ministry of Education and Research, project duration. Coordinator Prof. Vladimir Mirsky, Brandenburg University of Technology, Faculty of Natural Sciences, Department of Nanobiotechnology; co-coordinator Prof. Gordana Ćirić-Marjanović

2014– 2018: SCOPES (Scientific cooperation between eastern Europe and Switzerland) Project No IZ73ZO_152457 “*Conducting polymers synthesized by enzymatic polymerization*”, financed by the Swiss National Science Foundation (SNSF) and the Swiss Agency for Development and Co-operation (SDC), coordinator Prof. Peter Walde, ETH Zurich, Switzerland, co-coordinator prof. Gordana Ćirić-Marjanović.

01.09.2015 – 31.01.2016: Danube States R&D network project “*New materials and devices based on conducting polymers and their composites*” (POLYCON for Danubian network–Stage 2), funded by the German Federal Ministry of Education and Research Septembar, coordinator prof. V. Mirsky, co-coordinator prof. G. Ćirić-Marjanović.

01.01.2017–31.12.2018: “*Conducting polymer composites*” No. DS 027, Programme of Multilateral Scientific and Technological Cooperation in the Danube Region; institutions included: Institute of Macromolecular Chemistry AS CR, Czech Republic (coordinator dr P. Bober), Polymer Institute of

Slovak Academy of Sciences, Slovakia (team leader dr M. Mičušík), Kompetenzzentrum Holz GmbH, Austria (team leader dr A. Kovalcik, K. Unterweger) and University of Belgrade–Faculty of Physical Chemistry (Serbian team leader prof. G. Ćirić-Marjanović).

Reviewer's activities:

G. Ćirić-Marjanović has done over **400 reviews** of scientific papers for **85 international journals**:

Analytical Letters
ACS Applied Energy Materials
ACS Applied Materials & Interfaces
ACS Energy Letters
ACS Omega
ACS Sustainable Chemistry & Engineering
Applied Physics A
Arabian Journal of Chemistry
Bulletin of the Chemical Society of Japan
Canadian Journal of Chemistry
Chemical Papers
Chemical Engineering Journal
Chemical Society Reviews
Colloid and Polymer Science
Colloids and Surfaces A: Physicochemical and Engineering Aspects
Colloids and Surfaces B: Biointerfaces
Current Nanoscience
Dyes and Pigments
Ecotoxicology and Environmental Safety
Electrochimica Acta
Energy & Environmental Science
Enzyme and Microbial Technology
European Polymer Journal
Hemijaska Industrija
Industrial & Engineering Chemistry Research
Inorganic Chemistry Communications
International Journal of Industrial Chemistry
International Journal of Polymer Analysis and Characterization
Ionics
Journal of Alloys and Compounds
Journal of Advanced Materials and Processing
Journal of Chemical Technology and Biotechnology
Journal of Electroanalytical Chemistry
Journal of Hazardous Materials
Journal of Applied Polymer Science
Journal of Macromolecular Science Part A: Pure & Applied Chemistry
Journal of Magnetism and Magnetic Materials
Journal of Materials Chemistry B
Journal of Materials Chemistry C
Journal of Materials Science
Journal of Molecular Structure
Journal of Nanostructure in Chemistry
Journal of Organic Chemistry
Journal of Physical Chemistry A + Journal of Physical Chemistry B + Journal of Physical Chemistry C
Journal of Physics and Chemistry of Solids
Journal of Polymer Engineering
Journal of Polymer Science, Part A: Polymer Chemistry
Journal of Serbian Chemical Society
Journal of Solid State Electrochemistry
Journal of Visualized Experiments
Langmuir
Macromolecular Materials and Engineering
Materials Chemistry and Physics

Materials Letters
 Materials and Manufacturing Processes
 Materials Science and Engineering B
 Microchimica Acta;
 Microporous & Mesoporous Materials
 NANO
 Nanotechnology
 Optical Materials
 Physica Status Solidi A
 Physical Chemistry Chemical Physics
 Polymer
 Polymer Chemistry
 Polymer Composites
 Polymer Crystallization
 Polymer Degradation and Stability
 Polymer International
 Progress in Polymer Science
 Reaction Kinetics, Mechanisms and Catalysis
 Reactive and Functional Polymers
 RSC Advances
 Scientific Reports
 Sensors & Actuators: B. Chemical
 Smart Materials and Structures
 Solid State Sciences
 Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy
 Synthetic Metals
 Trends in Analytical Chemistry
 Thin Solid Films
 Vacuum
 Vibrational Spectroscopy

Mobility (visiting researcher):

29 September 2006 – 29 December 2006, Institute of Macromolecular Chemistry, Prague, Czech Republic, the research group of Dr Jaroslav Stejskal.

15 August 2005 – 15 October 2005, Institute of Macromolecular Chemistry, Prague, Czech Republic, the research group of Dr Miroslava Trchová.

Supervision of theses/final papers

G. Ćirić-Marjanović has supervised 9 defended PhD theses, 8 M.Sc. and 16 B.Sc. final papers.

Other management activities

- 1. October 2015 - 30. September 2021 – Dean, University of Belgrade-Faculty of Physical Chemistry, Belgrade
- 71st Annual Meeting of the International Society of Electrochemistry (ISE), 30 August - 4 September 2020, Belgrade, Serbia - one of organizers of the Symposium 17: Electroactive materials: polymers, inorganic solids, nanocomposites and hybrid materials
- January 2017- January 2022 – member of Parent Scientific Board for Chemistry of the Ministry of Education, Science and Technological Development of Serbia
- International Conference on Fundamental and Applied Aspects of Physical Chemistry, PHYSICAL CHEMISTRY (Belgrade, 2014, 2016, 2018, 2021) – member of scientific committee
- Young Researchers' Conference-Materials Science and Engineering (Belgrade, 2011, 2012, 2013, 2014) – member of scientific committee
- International Meeting on Materials Science for Energy Related Applications (IMMSERA) (Belgrade 2016, 2018, 2021) – member of scientific committee

Journal articles

Articles in international scientific WoS journals

102. M. Radoičić, G. Ćirić-Marjanović, D. Milićević, E. Suljovrujić, M. Milošević, J. Kuljanin Jakovljević, Z. Šaponjić, Fine-tuning of conductive and dielectric properties of polypyrrole/TiO₂ nanocomposite-coated polyamide fabric, *Composite Interfaces* 28 (2021) 795-808 <https://doi.org/10.1080/09276440.2020.1805219>
101. J. Goura, A. Sundar, B. S. Bassil, G. Ćirić-Marjanović, D. Bajuk-Bogdanović, U. Kortz, Peroxouranyl-Containing W48 Wheel: Synthesis, Structure, and Detailed Infrared and Raman Spectroscopy Study, *Inorg. Chem.*, 59 (2020) 16789 <https://doi.org/10.1021/acs.inorgchem.0c02858>
100. J. Mišurović, M. Mojović, B. Marjanović, P. Vulić, G. Ćirić-Marjanović, Magnetite nanoparticles-catalyzed synthesis of conductive poly(*p*-aminodiphenylamine), *Synthetic Metals* 269 (2020) 116577 <https://doi.org/10.1016/j.synthmet.2020.116577>
99. M. Savić Biserčić, B. Marjanović, B. A. Zasońska, S. Stojadinović, G. Ćirić-Marjanović, Novel microporous composites of MOF-5 and polyaniline with high specific surface area, *Synthetic Metals* 262 (2020) 116348 <https://doi.org/10.1016/j.synthmet.2020.116348>
98. I.A. Pašti, A.S. Dobrota, N.M. Gavrilov, G. Ćirić-Marjanović, S. Mentus, Effects of alkali metal cations on oxygen reduction on N-containing carbons viewed as the interplay between capacitive and electrocatalytic properties: Experiment and theory, *Journal of the Serbian Chemical Society* 84 (2019) 901-914 <https://doi.org/10.2298/JSC190426072P>
97. T. Fujisaki, K. Kashima, S. Serrano-Luginbühl, R. Kissner, D. Bajuk-Bogdanović, M. Milojević-Rakić, G. Ćirić-Marjanović, S. Busato, E. Lizundia, P. Walde, Effect of template type on the preparation of the emeraldine salt form of polyaniline (PANI-ES) with horseradish peroxidase isoenzyme C (HRPC) and hydrogen peroxide, *RSC Advances* 9 (2019) 33080-33095 <https://doi.org/10.1039/c9ra06168a>
96. J. Mišurović, M. Mojović, B. Marjanović, P. Vulić, G. Ćirić-Marjanović, Magnetite nanoparticles-catalysed synthesis of conductive polyaniline, *Synthetic Metals* 257 (2019) 116174 <https://doi.org/10.1016/j.synthmet.2019.116174>
95. P. Walde, K. Kashima, G. Ćirić Marjanović, Synthesizing Polyaniline With Laccase/O₂ as Catalyst, *Frontiers in Bioengineering and Biotechnology* 7 (2019) article 165 <https://doi.org/10.3389/fbioe.2019.00165>
94. M. Vranješ, J. Kuljanin-Jakovljević, M. Milošević, G. Ćirić-Marjanović, M. Stojiljković, Z. Konstantinović, V. Pavlović, D. Milivojević, Z. Šaponjić, Hydrothermal synthesis of Mn²⁺ doped titanate nanotubes: investigation of their structure and room temperature ferromagnetic behaviour, *Solid State Sciences* 94 (2019) 155-161 <https://doi.org/10.1016/j.solidstatesciences.2019.06.008>
93. M. Minisy, N. Gavrilov, U. Acharya, Z. Morávková, C. Unterweger, M. Mičušík, S.K. Filippov, J. Kredatusová, I. A. Pašti, S. Breitenbach, G. Ćirić-Marjanović, J. Stejskal, P. Bober, Tailoring of carbonized polypyrrole nanotubes core by different polypyrrole shells for oxygen reduction reaction selectivity modification, *Journal of Colloid and Interface Science* 551 (2019) 184–194 <https://doi.org/10.1016/j.jcis.2019.04.064>
92. A. Jevremović, P. Bober, M. Mičušík, J. Kuliček, U. Acharya, J. Pflieger, M. Milojević-Rakić, D. Krajišnik, M. Trchová, J. Stejskal, G. Ćirić-Marjanović, Synthesis and characterization of

- polyaniline/BEA zeolite composites and their application in nicosulfuron adsorption, *Microporous & Mesoporous Materials*, 287 (2019) 234-245. <https://doi.org/10.1016/j.micromeso.2019.06.006>
91. K. Kashima, T. Fujisaki, S. Serrano-Luginbühl, R. Kissner, A. Janošević Ležaić, D. Bajuk-Bogdanović, G. Ćirić-Marjanović, S. Busato, T. Ishikawa, P. Walde, Effect of template type on the *Trametes versicolor* laccase-catalyzed oligomerization, *ACS Omega* 4 (2019) 2931-2947 <https://doi.org/10.1021/acsomega.8b03441>
90. M. Savić Biserčić, B. Marjanović, B. Nedić Vasiljević, S. Mentus, B. A. Zasońska, G. Ćirić-Marjanović, The quest for optimal water quantity in the synthesis of metal-organic framework MOF-5, *Microporous & Mesoporous Materials*, 278 (2019) 23-29. <https://doi.org/10.1016/j.micromeso.2018.11.005>
89. I. A. Pašti, A. Janošević Ležaić, N. M. Gavrilov, G. Ćirić-Marjanović, S. V. Mentus, Nanocarbons derived from polymers for electrochemical energy conversion and storage - A review, *Synthetic Metals* 246 (2018) 267-281 <https://doi.org/10.1016/j.synthmet.2018.11.003>
88. K. Kashima, T. Fujisaki, S. Serrano-Luginbühl, A. Khaydarov, R. Kissner, A. Janošević Ležaić, D. Bajuk-Bogdanović, G. Ćirić-Marjanović, L. D. Schuler, P. Walde, How experimental details matter. The case of a laccase-catalysed oligomerisation reaction, *RSC Advances* 8 (2018) 33229–33242. <https://doi.org/10.1039/c8ra05731a>
87. P. Bober, N. Gavrilov, A. Kovalcik, M. Mičušík, C. Unterweger, I. A. Pašti, I. Šedenková, U. Acharya, J. Pflieger, S.K. Filippov, J. Kuliček, M. Omastová, S. Breitenbach, G. Ćirić-Marjanović, J. Stejskal, Electrochemical properties of lignin/polypyrrole composites and their carbonized analogues, *Materials Chemistry and Physics* 213 (2018) 352–361 <https://doi.org/10.1016/j.matchemphys.2017.11.016>
86. Y. Zhang, S. Serrano-Luginbuehl, R. Kissner, M. Milojević-Rakić, D. V. Bajuk-Bogdanović, G. Ćirić-Marjanović, Q. Wang, P. Walde, Enzymatic Synthesis of Highly Electroactive Oligoanilines from a p-Aminodiphenylamine / Aniline Mixture with Anionic Vesicles as Templates, *Langmuir* 34 (2018) 9153–9166 <https://doi.org/10.1021/acs.langmuir.8b00953>
85. U. Stamenović, N. Gavrilov, I.A. Pašti, M. Otoničar, G. Ćirić-Marjanović, S. D. Škapin, M. Mitrić, V. Vodnik, One-pot synthesis of novel silver-polyaniline-polyvinylpyrrolidone electrocatalysts for efficient oxygen reduction reaction, *Electrochimica Acta* 281 (2018) 549–561 <https://doi.org/10.1016/j.electacta.2018.05.202>
84. M. Milojević-Rakić, D. Bajuk-Bogdanović, B. Nedić Vasiljević, A. Rakić, S. Škrivanj, Lj. Ignjatović, V. Dondur, S. Mentus, G. Ćirić-Marjanović, Polyaniline/FeZSM-5 composites – Synthesis, characterization and their high catalytic activity for the oxidative degradation of herbicide glyphosate, *Microporous & Mesoporous Materials* 267 (2018) 68–79 <https://doi.org/10.1016/j.micromeso.2018.03.019>
83. M.V. Carević, N.D. Abazović, M.N. Mitrić, G. Ćirić-Marjanović, M.D. Mojović, S.P. Ahrenkiel, M.I. Čomor, Properties of zirconia/polyaniline hybrid nanocomposites and their applicability for photocatalytic degradation of model pollutants, *Materials Chemistry and Physics* 205 (2018) 130–137 <https://doi.org/10.1016/j.matchemphys.2017.11.016>
82. G. Ćirić-Marjanović, M. Milojević-Rakić, A. Janošević Ležaić, S. Luginbühl, P. Walde, Enzymatic oligomerization and polymerization of arylamines: State of the art and perspectives, *Chemical Papers* 71 (2017) 199–242 <https://doi.org/10.1007/s11696-016-0094-3>
81. I. Pašti, M. Milojević-Rakić, K. Junker, D. Bajuk-Bogdanović, P. Walde, G. Ćirić-Marjanović, Superior capacitive properties of polyaniline produced by a one-pot peroxidase/H₂O₂-triggered

polymerization of aniline in the presence of AOT vesicles, *Electrochimica Acta* 258 (2017) 834–841 <https://doi.org/10.1016/j.electacta.2017.11.133>

80. M. Radoičić, G. Ćirić-Marjanović, V. Spasojević, P. Ahrenkiel, M. Mitrić, T. Novaković, Z. Šaponjić, Superior photocatalytic properties of carbonized PANI/TiO₂ nanocomposites, *Applied Catalysis B: Environmental* 213 (2017) 155–166 <http://dx.doi.org/10.1016/j.apcatb.2017.05.023>

79. S. Luginbühl, M. Milojević-Rakić, K. Junker, D. Bajuk-Bogdanović, I. Pašti, R. Kissner, G. Ćirić-Marjanović, P. Walde, The influence of anionic vesicles on the oligomerization of *p*-aminodiphenylamine catalyzed by horseradish peroxidase and hydrogen peroxide, *Synthetic Metals* 226 (2017) 89–103 <http://dx.doi.org/10.1016/j.synthmet.2017.01.011>

78. A. Janošević Ležaić, S. Luginbühl, D. Bajuk-Bogdanović, I. Pašti, R. Kissner, B. Rakvin, P. Walde, G. Ćirić-Marjanović, Insight into the template effect of vesicles on the laccase-catalyzed oligomerization of *N*-phenyl-1,4-phenylenediamine from Raman spectroscopy and cyclic voltammetry measurements, *Scientific Reports* 6 (2016) 30724 <https://doi.org/10.1038/srep30724>

77. J. Milikić, G. Ćirić-Marjanović, S. Mentus, D. M. F. Santos, C. A. C. Sequeira, B. Šljukić, Pd/c-PANI electrocatalysts for direct borohydride fuel cells, *Electrochimica Acta* 213(2016) 298–305 <http://dx.doi.org/10.1016/j.electacta.2016.07.109>

76. A. Janošević Ležaić, D. Bajuk-Bogdanović, M. Radoičić, V. M. Mirsky, G. Ćirić-Marjanović, Influence of synthetic conditions on the structure and electrical properties of nanofibrous polyanilines and their nanofibrous carbonized forms, *Synthetic Metals* 214 (2016) 35–44 <http://dx.doi.org/10.1016/j.synthmet.2016.01.015>

75. I. A. Pašti, A. Janošević Ležaić, G. Ćirić-Marjanović, V. M. Mirsky, Resistive gas sensors based on the composites of nanostructured carbonized polyaniline and Nafion, *Journal of Solid State Electrochemistry* 20 (2016) 3061–3069 <https://doi.org/10.1007/s10008-016-3344-y>

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