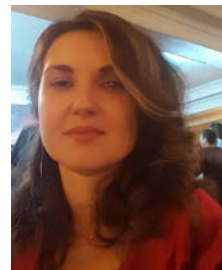


Curriculum Vitae

Personal information

First name(s) / Surname(s) **Violeta-Carolina NICULESCU**
Telephone(s) +4-0250-732744/ext 129
E-mail violeta.niculescu@icsi.ro
Nationality Romanian
Gender Female



Work experience

Dates	June 21, 2016-present
Occupation or position held	PhD in Chemistry, Senior Researcher 2nd degree – Entity Responsible of Physical and Chemical Analysis, Environment and Food Quality Laboratory-03
Main activities and responsibilities	Elaboration and development of Liquid Chromatography-Mass Spectrometry and UV-Vis Spectro[hotometry methods for analysing organic compounds from waters, wines, soils, as well as natural compounds from various sources. Elaboration and development of validated methods for organic nutrients determination from waste and surface waters. Experimental research in the field of natural drugs and other therapeutics in the areas of immunology and oncology; immunochemistry of immunoconjugates; water microbiology; design of pharmaceutical agents (drugs): medicinal and pharmaceutical chemistry Experimental research in the field of nanomaterials (synthesis, characterization and applications), with emphasis on mesoporous silica for environmental and life science applications
Name and address of employer	National R&D Institute for Cryogenic and Isotopic Technologies - ICSI Ramnicu Valcea, 4 th Uzinei Street, 240050, Ramnicu Valcea, ROMANIA.
Type of business or sector	Academic research
Dates	October 01, 2009-June 20, 2016
Occupation or position held	PhD in Chemistry, Scientific Researcher 3rd degree – Entity Responsible of Physical and Chemical Analysis, Environment and Food Quality Laboratory-03
Main activities and responsibilities	Elaboration and development of Liquid Chromatography-Mass Spectrometry methods for analysing organic compounds from waters, wines, soils, as well as natural compounds from various sources. Elaboration and development of validated methods for organic nutrients determination from waste and surface waters. Experimental research in the field of natural drugs and other therapeutics in the areas of immunology and oncology; immunochemistry of immunoconjugates; water microbiology; design of pharmaceutical agents (drugs): medicinal and pharmaceutical chemistry
Name and address of employer	National R&D Institute for Cryogenic and Isotopic Technologies – ICSI Ramnicu Valcea, 4 th Uzinei Street, 240050, Ramnicu Valcea, ROMANIA.
Type of business or sector	Academic research
Dates	July 01, 2006- October 01, 2009
Occupation or position held	Scientific Researcher
Main activities and responsibilities	Elaboration and development of analysis methods of individual or mixed up gases and liquids; -Cryogenic systems for separation and purification of gases; -Selective adsorbents such as molecular sieves obtaining; -Studies about mixed methane-carbon dioxide-nitrogen separation by PSA process with application in methane and carbon dioxide recovery from various gaseous sources; -New materials obtaining and characterization: composites and catalysts;
Name and address of employer	National R&D Institute for Cryogenic and Isotopic Technologies - ICSI Ramnicu Valcea, 4 th Uzinei Street, 240050, Ramnicu Valcea, ROMANIA.
Type of business or sector	Academic research

Dates October 01, 2003-July 01, 2006
Occupation or position held Assistant Researcher
Main activities and responsibilities -Technology for manufacture of materials and for realize junction between various materials with cryogenic applications;
-Promotion of mixed gases technology for products packing and preservation;
-Catalysts for reduction of pollutants emissions from the stationary industrial sources;
-Physical-chemical analysis techniques.
Name and address of employer National R&D Institute for Cryogenic and Isotopic Technologies - ICSI Ramnicu Valcea, 4th Uzinei Street, 240050, Ramnicu Valcea, ROMANIA.
Type of business or sector Academic research

Education and training

Dates November 01, 2002 - October 31, 2011
Title of qualification awarded PhD in Chemistry
Principal subjects/occupational skills covered Catalysis and Surface Chemistry/ Coordination Chemistry/ Thesis tile: "Hybrid materials obtained by transitional metals complexation and immobilization on functionalized oxide nanostructures with effects in life quality '
Name and type of organisation providing education and training "Ilie Murgulescu" Institute of Physical-Chemistry, Bucharest, Romania
Level in national or international classification Level 6 - Second stage of tertiary education
Dates October 01, 2002 - June 15, 2003
Title of qualification awarded Master degree
Principal subjects/occupational skills covered Environmental chemistry / Thesis title: "Complexes with antitumor and antimalarial properties"
Name and type of organisation providing education and training Faculty of Chemistry, University from Craiova, Romania
Level in national or international classification Level 5 - First stage of tertiary education. ISCED 5A
Dates October 01, 1998 – June 30, 2002
Title of qualification awarded Bachelor degree
Principal subjects/occupational skills covered Applied chemistry / Thesis title: "Orgel diagrams in coordination chemistry"
Name and type of organisation providing education and training Faculty of Chemistry, University from Craiova, Romania
Level in national or international classification Level 5 - First stage of tertiary education. ISCED 5A
Dates September 15, 1994 – June 15, 1998
Title of qualification awarded Bachelorette in Chemistry and Biology
Principal subjects/occupational skills covered Chemistry, Biology
Name and type of organisation providing education and training "Alexandru Lahovari" National College, Ramnicu Valcea, Romania
Level in national or international classification Level 3 - (Upper) secondary education. ISCED 3A

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment
European level ()*

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	

English	B2	Independent user	C1	Proficient user	B2	Independent user	B2	Independent user	B2	Independent user
French	B2	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	A2	Basic user

(*) Common European Framework of Reference for Languages

Social skills and competences Hard-working Friendly, Trustworthy, Communicative

Organisational skills and competences Competent organizer and coordinator, empathic with colleagues, innovative in new projects development

Technical skills and competences Laboratory skilled in the area of life sciences

Computer skills and competences General chemistry software (ACD/ChemSketch v12.01 and ChemAxon cheminformatics suites),
ADME-Tox predictors (ACD/ADME Suite v5.0.7, ACD/Tox Suite v2.95.1, FAF-Drugs2)
Operation system: Microsoft Windows 7 & Microsoft Windows XP
Productivity suite: Microsoft Office 2003 & 2007; OpenOffice.org 3.3.0
Drawing and photo manipulation: CorelDRAW Graphics Suite X5, Adobe Photoshop CS5
Multimedia software & Internet browsers

Other skills and competences Open-minded, very curious and inventive

Annexes **Annex 1:** The experience accumulated in Romanian research projects
Annex 2: Patent pending
Annex 3: List of relevant published papers

Annex 1. The experience accumulated in Romanian research projects

Programme/Project	Main activities and responsibilities	Period
NUCLEU Programme – PN 18 12 03 01 – “Studies on the development of micro- and mesoporous materials with improved catalytic properties for their use in solid, liquid and gaseous waste recovery processes”	Project Co-Responsible	March 2018-ongoing
NUCLEU Programme – PN 16 36 04 03 Project – “Research on the development of new porous materials with high selective and catalytic properties for the reduction and stabilization of the pollutant concentrations in gaseous and liquid back-grounds”	Project Co-Responsible	January 2016-December 2017
NUCLEU Programme – PN 09 19 02 10 Project – “Theoretical and experimental investigations regarding the development of new composite materials used in gaseous conventional fuels or biofuels purification	Project Responsible	January 2015 – December 2015
NUCLEU Programme – PN 09 19 02 08 Project – “Researches regarding the development of new control methods for some contaminants and additives in food”	Project Responsible	October 2014 – May 2015
NUCLEU Programme – PN 09 19 02 04 Project – “Researches regarding the development of new extraction and separation methods for some vegetal anthocyanic and anthocyanidic compounds in order to use them as food natural colours”	Project Responsible	January 2012 - December 2013
NUCLEU Programme – PN 09 19 01 03 Project - „Theoretical and experimental research for realization of molecular solar concentrators with application in the systems of renewable energy conversion”	Author and Co-author of Research reports	January 2009 – December 2011
PNCDI II – Programme 2, Module III / Romanian-South Korean Bilateral Cooperation Project FC 398/27.04.2011 – “Investigation, remediation and monitoring of water and soil from contaminated sites”	Member of research team	April 2011 – April 2012
PNCDI 2 – Program 2, Modul III / Proiect de Cooperare Bilaterală, Stiintifică și Tehnică dintre România și Republica Coreea de Sud / CF 66CD/09.07.2008 Utilizarea ultrasunetelor la tratarea și epurarea avansată a apelor	Member of research team	July 2008 – December 2009
PNCDI II - Programul 4 – Parteneriate în domeniile prioritare, Contract de finanțare nr. 32-154/2008 - Analiza impactului de mediu în contextul utilizării pe scară largă a tehnologiilor bazate pe hidrogen	Member of research team	September 2008 – December 2011
NUCLEU Programme – PN 09 19 02 01 Project - Research concerning the isotopic and multi-element analysis methods application in definition of authenticity and geographic classification of Romanian wines	Team member	January 2009 – December 2011
PNCDI II - Programme 4 –Financial Contract 32-154/2008 – “Environmental impact analyses in the context of large scale usage of technologies based on hydrogen”	Co-author of Research reports	September 2008 – December 2011
PNCDI II - Programme 4 –Project 1885 - “Obtaining and characterization of new targeted-nanodrugs with naphthoquinonic active substance”	Scientific Responsible Author of Research Reports	September 2007-December 2010
MENER Programme - Project 3056 – “Evaluation of chronically pollution effects with hydrocarbons induced to internal environment from Romanian Black Sea coastal area”	Co-author of Research reports	September 2004 - November 2005
AGRAL Programme - 188/2003 – “Valorification of water and soil natural sources through new technical solutions in accordance with modern and sustainable agriculture development principles”	Co-author of Research reports	October 2003- November 2005
MATNANTECH Programme – Project 9089/22.10.2001 – “Laboratory Network in nanotechnology domain”-NANOTECHNET	Author and Co-author of Research reports	October 2003-December 2004

1. Patent - OSIM Decision No. 3/235/29.11.2017 for Patent Application RO127619-A2 (A/01251 from November 30th, 2010) – ***Naphthalendione derivate used in tumoral growth control*** (authors: Violeta Niculescu, Radu Tamaian, Ioan Mărcuș, Iulia Prodan, Bogdan Sevastre), published in BOPI (The Official Industrial Property Bulletin of Romania), Section Patents No. 7, 30-07-2012, p. 17 (RO), Derwent Primary Accession Number (EN): 2012-Q05823 [82].

2. Patent application RO128627-A2 (A/00455 from May 11th, 2011) – ***DNA topoisomerase II α inhibitory naphthalendione leading-structures*** (authors: Radu Tamaian, Violeta Niculescu, Mihai Anghel), published in BOPI (The Official Industrial Property Bulletin of Romania), Section Patents No. 7, 30-07-2013, p. 28 (RO):
 - - ***Awarded with Diploma of Excellence and Silver Medal at The International Exhibition of Research, Innovation and Inventions – PRO INVENT 2014, XIIth Edition, 19-21 March 2014, Cluj-Napoca, Romania.***

3. Patent application RO127496-A2 (A/01250 from November 30th, 2010) – ***Imunoconjugates with antiproliferative naphthalendione cytotoxic payload*** (authors: Radu Tamaian, Ioan Mărcuș, Violeta Niculescu, Bogdan Sevastre, Iulia Prodan) published in BOPI (The Official Industrial Property Bulletin of Romania), Section Patents No. 6, 29-06-2012, p. 29 (RO), Derwent Primary Accession Number (EN): 2012-H46154 [47]:
 - Awarded with Golden Medal at the ***Belgian and International Trade Fair for Technological Innovation “Eureka!” – INNOVA 2012***, 15-17 November 2012, Brussels, Belgium;
 - Awarded with Diploma of Excellence and Silver Medal at the ***International Workshop for Research, Innovation and Inventions – PRO INVENT 2011***, IXth Edition, Cluj-Napoca, Romania;
 - Awarded with Silver Medal at the ***International Workshop for Inventions, Scientific Research and New Technologies – Inventika 2011***, XVth Edition, 2011, Bucharest, Romania.

Selected papers (with ISI Impact Factor – IF):

1. Violeta Niculescu, Gabriela Paun, Viorica Parvulescu - Potential application of Pt-based organometallic complex supported on mesoporous silica in enzymes activity inhibition, Applied Organometallic Chemistry (FI/2016: 2,319) - "Current status: Accepted for publication". DOI:10.1002/aoc.4590
2. Violeta Niculescu, Marius Miricioiu, Irina Geana, Roxana Elena Ionete, Nadia Paun, Viorica Parvulescu – Silica mesoporous materials – an efficient sorbent for wine polyphenols separation, Revista de Chimie (Impact Factor IF/2017: 1,412) – "Current status: Accepted for publication"
3. Violeta Niculescu, Nicolae Aldea, Vasile Rednic, Viorica Parvulescu (2018) - Platinum mesoporous silica catalysts for liquid media oxidation, in *Analytical Letters*, Print ISSN: 0003-2719 Online ISSN: 1532-236X, (IF/2016: 1.150) Received 31 Aug 2017, Accepted 20 Dec 2017, Published online: 27 Mar 2018. Volume 52, Issue 1. DOI: 10.1080/00032719.2017.1421214
4. R. Tamaian, N. Paun, V. C. Niculescu - New anti DNA topoisomerase naphthalenedione leads, Eur Biophys J (2017) 46 (Suppl 1):S320, P-785 (IF: 1.472/2016, ISSN: 0175-7571 – print version; ISSN: 1432-1017 – electronic version)
5. Ionela Ramona Zgavarogea, Violeta Carolina Niculescu, Marius Gheorghe Miricioiu, Andreea-Maria Iordache, Cristina Covaliu - Waste gas biotreatment, Journal of Biotechnology, Volume: 256, pages: S62-S62, Supplement: S, DOI: <https://doi.org/10.1016/j.jbiotec.2017.06.1010> (IF: 2,599/2016, ISSN: 0168-1656)
6. Marius Gheorghe Miricioiu, Violeta Niculescu, Oana Romina Dinca, Florin Mitu, Mihaela Emanuela Craciun - Analytical Errors in Routine Gas Chromatography Analysis, REV. CHIM. (Bucharest), Vol. 67, No.3/2016 (pages 396-400) (IF/2016: 1.232)
7. Badea, Silviu-Laurentiu; Niculescu, Violeta Carolina; Ionete, Roxana-Elena; Eljarrat, Ethel - Advances in enantioselective analysis of chiral brominated flame retardants. Current status, limitations and future perspectives, Science of the Total Environment, Vol. 566/2016, DOI: 10.1016/j.scitoenv.2016.05.148 (pages 1120-1130) (IF/2016: 4.900)
8. Zgavarogea, Ramona Ionela; Niculescu, Violeta Carolina; Miricioiu, Marius Gheorghe; Paun, Nadia - New trends in sludge mechanical degradation, JOURNAL OF BIOTECHNOLOGY, Vol. 231/2016, Supplement: S, DOI: 10.1016/j.jbiotec.2016.05.273 (pages: S75-S75) (IF/2016: 2.599)
9. Marius Miricioiu, Violeta Niculescu, Marius Constantinescu, Ramona Zgavarogea, Marius Nafliu, Gheorghe Nechifor - Development and validation of a chromatographic method for the determination of C1-C8 hydrocarbons, O2, N2 and CO2 in natural gas", REV. CHIM. (Bucharest), Vol. 67, No.11/2016 (pages 2141-2147) (IF/2016: 1.232)
10. Diana Stegarus, Violeta Niculescu*, Cecilia Georgescu, Ramona Iancu, Ecaterina Lengyel, Ovidiu Tita - Techniques for extraction and enhancing flavour substances in Chardonnay and Sauvignon blanc grapes by enzyme substrate, in Revue Roumaine de Chimie, 60(5-6), Pages 507-513 (2015); ISSN: 0035-3930; SCRI: 0.275/2013 (IF/2016: 0.246)
11. Ionela Ramona Zgavarogea, Violeta Niculescu, Marius Miricioiu, Corina Ciucure, Iosif Tempea - Environmental biotechnology in wastewater treatment, in Journal of Biotechnology; Volume: 208, Pages: S59-S59, Supplement:S, DOI: 10.1016/j.jbiotec.2015.06.177, Published: AUG 20 2015, ISSN: 0168-1656, eISSN: 1873-4863; SCRI: 1.348/2013 (IF/2016: 2.599)
12. Elisabeta I. Geana, Oana R. Dinca, Roxana E. Ionete, Victoria Artem and Violeta C. Niculescu* - Monitoring trans-Resveratrol in Grape Berry Skins during Ripening and in Corresponding Wines by HPLC, in Food Technology and Biotechnology, 53 (1) 73–80 (2015); ISSN: 1330-9862; SCRI: 0.898/2013 (IF/2016: 0.891)
13. V. Parvulescu, V. Niculescu, R. Ene, A. Popa, M. Mureseanu, Cr. D. Ene, M. Andruh - Copper (II) complexes anchored by coordination with dialkylphosphonate groups grafted on the macroporous styrene-divinylbenzene copolymer, in Journal of Molecular Catalysis A: Chemical, <http://dx.doi.org/10.1016/j.molcata.2012.10.005>, Volume 366, January 2013, Pages 275–281 (IF/2016: 4.211).
14. Violeta Niculescu, Nicolae Muresan, Aurora Salageanu, Catalin Tucureanu, Gabriela Marinescu, Liviu Chirigiu, Costinel Lepadatu - Novel 2,3-disubstituted 1,4-naphthoquinone derivatives and their metal complexes – synthesis and in vitro cytotoxic effect against mouse fibrosarcoma L929 cells, in Journal of Organometallic Chemistry, Volume 700, 1 March 2012, Pages 13–19 (IF/2016: 2.184)
15. R. Tamaian, N. Paun, V. Niculescu, A. Iordache, R. Vremera, S. Broscatean (2008) – Antibiotic Effects Of The Naphthoquinonic Derivative On Gram-Positive And Gram-Negative Germs, in Chemické Listy, 102, s479–s481, ISSN 1803-2389 (IF/2016: 0.387)

* Corresponding author

- Papers under review:

1. Silviu-Laurentiu Badea, Stanica Enache, Radu Tamaian, Violeta-Carolina Niculescu, Mihai Varlam, Cristian-Valeriu Pirvu - Calcium and iron salts increased the open circuit voltage and the power of two types of microbial fuel cells in batch experiments with *Saccharomyces cerevisiae* as biocatalyst, *Journal of Electroanalytical Chemistry* (IF/2016: 3,012) - "Current status: Under review"

- **Citations:**

1. "Supported monocationic copper(II) complexes obtained by coordination with dialkylphosphonate groups on styrene-divinylbenzene copolymer as catalysts for oxidation of organic compounds (Article), authors: Parvulescu, V., Niculescu, V., Ene, R., Popa, A., Muresanu, M., Ene, C.D., Andruh, M. *Journal of Molecular Catalysis A: Chemical* Volume 366, January 2013, Pages 275-281 (IF: 4,211/2016)

Cited by:

1.1. "Recent advances in the syntheses and characterization of polymer anchored transition metal complexes" (Article), authors: Ahmed, A.H. *International Journal of ChemTech Research* Volume 6, Issue 1, 2014, Pages 36-521 (H Index: 13)

1.2. "Magnetic nanoparticles entrapped in the cross-linked poly(imidazole/imidazolium) immobilized Cu(II): An effective heterogeneous copper catalyst" (Article), authors: Pourjavadi, A., Hosseini, S.H., Zohreh, N., Bennett, C. *RSC Advances* Volume 4, Issue 87, 2014, Pages 46418-46426

1.3. "Effect of polymer support functionalization on enzyme immobilization and catalytic activity", authors: Viorica Parvulescu, Adriana Popa, Gabriela Paun, Ramona Ene, Corneliu-Mircea Davidescu, Gheorghe Iliu. *Pure and Applied Chemistry*, Volume 86, Issue 11, 2014

1.4. "Atomistic simulations of the structure of highly crosslinked sulfonated poly(styrene-co-divinylbenzene) ion exchange resins ", authors: Pérez-Maciá, M.A., Curcó, D., Bringué, R., Iborra, M., Alemán, C. *Soft Matter*, Volume 11, Issue 11, 21 March 2015, Pages 2251-2267

1.5. "Transitional metals immobilized by coordination on aminophosphonate functionalized copolymers and their catalytic properties", (Article), authors: Popa, A., Ene, R., Visinescu, D., Dragan, E.S., Iliu, G., Iliescu, S., Parvulescu, V. *Journal of Molecular Catalysis A: Chemical*, Volume 408, 17 August 2015, Pages 262-270

1.6. "1-Butanol absorption in poly(styrene-divinylbenzene) ion exchange resins for catalysis", authors: M. A. Pérez-Maciá, D. Curcó, R. Bringué, M. Iborra, F. Rodríguez-Ropero, N. F. A. van der Vegt and Carlos Aleman, *Soft Matter*, 2015, Advance Article, DOI: 10.1039/C5SM02168E, Received 27 Aug 2015, Accepted 16 Sep 2015, First published online 16 Sep 2015

1.7. "Synthesis of magnetic graphene oxide-containing nanocomposite hydrogels for adsorption of crystal violet from aqueous solution, authors: Ali Pourjavadi, Mojtaba Nazari, Seyed Hassan Hosseini, *RSC Adv.*, 2015, 5, Pages 32263-32271, DOI: 10.1039/C4RA17103A

1.8. "2D Co-based coordination polymer with a histidine derivative as an efficient heterogeneous catalyst for the oxidation of cyclohexene" (Article), authors: Yu, F., Xiong, X., Huang, K., Zhou, Y., Li, B., *CrystEngComm*. Volume 19, Issue 15, 2017, Pages 2126-2132

1.9. "Mesoporous Ca-Mn-O as an efficient scavenger toward organic pollutants and heavy metals: ion exchange provoking ultrafast Fenton-like reaction based on the synergy of alkaline earth/transition metals", authors: Yali Weng, Zhenzhang Weng, Zhiyu Liang, Haixia Lyu, Zanyong Zhuang, and Yan Yu. In: *Journal of Materials Chemistry A*, Issue 20/2018.

1.10. "Styrene-co-divinylbenzene/silica hybrid supports for immobilization transitional metals and their application in catalysis", authors: A. Popa, G. Iliu, S. Iliescu, N. Plesu, R. Ene, V. Parvulescu. In: *Polymer Bulletin*. First Online: 22 May 2018. <https://doi.org/10.1007/s00289-018-2370-6>.

2. "Novel 2,3-disubstituted 1,4-naphthoquinone derivatives and their metal complexes - Synthesis and in vitro cytotoxic effect against mouse fibrosarcoma L929 cells" (Article), authors: Niculescu, V.-C., Muresan, N., Salageanu, A., Tucureanu, C., Marinescu, G., Chirigiu, L., Lepadatu, C. *Journal of Organometallic Chemistry* Volume 700, 1 March 2012, Pages 13-19 (IF: 2.173/2014)

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2.1. "Improved antibacterial behavior of titanium surface with torularhodin-polypyrrole film" (Article), authors: Ungureanu, C., Popescu, S., Purcel, G., Tofan, V., Popescu, M., Sălăgeanu, A., Pirvu, C. *Materials Science and Engineering C* Volume 42, 1 September 2014, Pages 726-733

2.2. "Selectivity in changes of fluorescence emission of 1,4-naphthoquinone derivatives by manganese and cadmium ions (Article), authors: Jali, B.R., Masud, K., Baruah, J.B., *Polyhedron*, Volume 51, Issue 1, 4 March 2013, Pages 75-81

2.3. "Synthesis, antitumor activity and docking of 2,3-(substituted)-1,4-naphthoquinone derivatives containing nitrogen, oxygen and sulfur", (Article), authors: Delarmelina, M., Daltoé, R.D., Cerri, M.F., Madeira, K.P., Rangel, L.B.A., Júnior, V.L., Romão, W., Taranto, A.G., Greco, S.J., *Journal of the Brazilian Chemical Society*, Volume 26, Issue 9, 1 September 2015, Pages 1804-1816

- 2.4. "Enhancing antimicrobial activity of TiO₂/Ti by torularhodin bioinspired surface modification" (Article), authors: Ungureanu, C., Dumitriu, C., Popescu, S., Enculescu, M., Tofan, V., Popescu, M., Pirvu, C., *Bioelectrochemistry*, Volume 107, February 01, 2016, Article number 6886, Pages 14-24
- 2.5. "Green Synthesis of 2(phenylamino)1,4-naphthoquinone as Cu²⁺ Complexing Agents), authors: Julia María Ortíz Reyes, Jesús Javier Vaquera García, Antonia Martínez Luévanos, Aidé Sáenz Galindo, Lluvia Itzel López López, *Revista VIRTUAL PRO*, ISSN 19006241, No 161, June 2015: Química verde, Pages 1-22
- 2.6. "Síntese e Estudo de Ancoragem Molecular de Novos Híbridos Contendo Os Núcleos 1,4-naftoquinônico, Quinolínico e 1,3,5-triazínico Com Potencial Atividade Antineoplásica", author: FIOROT, R. G., Universidade Federal do Espírito Santo [cit. 2015-09-04], <http://repositorio.ufes.br/handle/10/4744>
- 2.7. "Synthesis, characterization and DNA binding/cleavage, protein binding and cytotoxicity studies of Co(II), Ni(II), Cu(II) and Zn(II) complexes of aminonaphthoquinone", authors: A. Kosiha, C. Parthiban, Kuppanagounder P. Elango. IN: *Journal of Photochemistry and Photobiology B: Biology*, Volume 168, March 2017, Pages 165–174
- 2.8. "Modulation of dual fluorescence modes and emissions of 2-(1,4-dioxo-1,4-dihydro-naphthalen-2-yl-amino)benzoic acid", authors: Munendra Pal Singh, Jubaraj B. Baruah, IN: *Journal of Molecular Structure*, Volume 1149, 5 December 2017, Pages 315-322
- 2.9. "2,3-Dichloro-1,4-Naphthoquinone in Organic Synthesis: Recent Advances", authors: da S. M. Forezi, Luana; F. C. Cardoso, Mariana; C. S. Costa, Dora; de C. da Silva, Fernando; F. Ferreira, Vitor. In: *Mini-Reviews in Organic Chemistry*, Volume 14, Number 5, September 2017, pp. 375-390 (16), DOI: <https://doi.org/10.2174/1570193X14666170518125507>.
- 2.10. "Metal complexes of naphthoquinone based ligand: synthesis, characterization, protein binding, DNA binding/cleavage and cytotoxicity studies", authors: A. Kosiha, C. Parthiban, Samuele Ciattini, Laura Chelazzi, Kuppanagounder P. Elango, In: *Journal of Biomolecular Structure and Dynamics*, Pages 1-12, <https://doi.org/10.1080/07391102.2017.1413423>
- 2.11. "Synthesis, structure-activity relationship and evaluation of new non-polymeric chemical additives based on naphthoquinone derivatives as wax precipitation inhibitors and pour point depressants to petroleum", authors: Bárbara C. Lemos, Vítor Gilles, Gustavo R. Gonçalves, Eustáquio Vinícius R. de Castro, Maicon Delarmelina, José W. de M. Carneiro, Sandro J. Greco. In: *Fuel*, Volume 220, 15 May 2018, Pages 200-209. <https://doi.org/10.1016/j.fuel.2018.01.121>.
- 2.12. "Metal Complexes with Antimalarial prospective: A review", authors: Rimmy Nandal & Aakash Deep. In: *Global Journal of Pharmaceutical Education and Research | January-December 2017 | Vol. 6 | Issue 1-2*, pp. 200-209.
- 2.13. "Synthesis, characterization, molecular docking, biological activity and density functional theory studies of novel 1,4-naphthoquinone derivatives and Pd(II), Ni(II) and Co(II) complexes", authors: Anthony C. Ekennia, Aderoju A. Osole, Damian C. Onwudiwe, Ilknur Babahan, Collins U. Ibeji, Sunday N. Okafor, Oguejiofo T. Ujam. In: *Applied Organometallic Chemistry*, March 2018, 32 (5), e4310, doi: 10.1002/aoc.4310.
- 2.14. "The screening and characterisation of compounds for modulators of Heat shock protein (Hsp90) in a breast cancer cell model", authors: BUHLE MOYO, BSc (HONS) in MICROBIOLOGY, PhD Thesis, RHODES UNIVERSITY, 2013.

3. "Exhaust gas treatment technologies for pollutant emission abatement from fossil fuel power plants ", authors: David, E.; Stanciu, V.; Sandru, C.; Armeanu, A.; Niculescu, V., *Sustainable Development and Planning III*, Book Series: WIT TRANSACTIONS ON ECOLOGY AND THE ENVIRONMENT, Edited by: Kungolos, A; Brebbia, CA; Beriatos, E., Volume: 102, Pages: 923-932, DOI: 10.2495/SDP070882

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3.1. "Biological potential of microalgae in China for biorefinery-based production of biofuels and high value compounds", authors: Li, JJ., Liu, Y., Cheng, JJ., Moss M., Daroch, M., *NEW BIOTECHNOLOGY* Volume: 32 Issue: 6 Pages: 588-596 Published: DEC 25 2015 Published: DEC 25 2015.

4. "Anthocyanin profile of blackberries and grapes", authors: Violeta Niculescu, Nadia Paun, Mihaela Sillion, Marcel Ionel Popa, in "Progress of Cryogenics and Isotopes Separation", Vol. 16. Issue 1/2013, 119-124; CNCSIS Cat. C (619).

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