N'GHAYA TOULBE

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Education

PhD in Physics Oct 2018 - Present
University of Bucharest, Bucharest
PhD title: "Photodegradation process of pharmaceuticals compounds and their optical detection"

Master Degree in Materials Engineering, Treatment and Characterization Sep 2014 - Mar 2017
Ibn Tofail University, Kenitra

Bachelor Degree in Geosciences Oct 2010 - Jul 2014
Caddi Ayyad University, Marrakech

Experience

Research Assistant Dec 2018 - Present
National Institute of Materials Physics, Bucharest
UV-VISIBLE spectroscopy
Photoluminiscence
Infrared spectroscopy
Pharmaceuticals compounds characterization
Photodegradation of pharmaceutical compounds

List of publications

1. Azathioprine Electrochemical Adsorption onto the Reduced Graphene Oxide Sheets in Absence and in the Presence of Polyaniline, Udrescu Adelina, Toulbe N'ghaya, Matei Elena, Baibarac Mihaiela, Journal of Nanoscience and Nanotechnology, Volume 21, Number 4, April 2021, 2302-2311 (10), DOI: https://doi.org/10.1166/jnn.2021.18974
2. Reduced Graphene Oxide Sheets as Inhibitors of the Photochemical Reactions of alpha-Lipoic Acid in the Presence of Ag and Au Nanoparticles, Toulbe, N'ghaya; Stroe, Malvina, Daescu, Monica, Cercel, Radu, Mogos, Alin; Dragoman, Daniela; Socol, Marcela; Mercioniu, Ionel; Baibarac, Mihaela, Nanomaterials 2020, 10(11), 2238, DOI: https://doi.org/10.3390/nano10112238.
3. Photoluminescence as a Complementary Tool for UV-VIS Spectroscopy to Highlight the Photodegradation of Drugs: A Case Study on Melatonin, Daescu, M; Toulbe, N; Baibarac, M; Mogos, A; Lorinczi, A; Logofatu, C, Molecules 2020, 25(17), 3820, DOI: https://doi.org/10.3390/molecules25173820.
4. Physico-chemical properties of two anhydrous azathioprine forms and their interaction with typical pharmaceutical

Personal details

LinkedIn
linkedin.com/in/nghayatoulbe

Computer skills

Map info, Arcgis, global Mapper, PRO II, Panalytical, Origin, Ms Word, Ms Excel, Ms Access, Ms Power point, Photoshop C5, Paint, AUTOCAD, OPUS6.5, Fluorolog

Languages

Arabic

French

English

excipients: highlighting new findings in drug formulation development, Barbatu A, Lungan MA, Toulbe N., Smaranda I., Daescu M., Baibarac M, Manta CM, Drug Development and Industrial Pharmacy 2022, DOI: https://doi.org/10.1080/03639045.2022.2032131.

5. Photodegradation of Azathioprine in the Presence of Sodium Thiosulfate, N'ghaya Toulbe, Ion Smaranda, Catalin Negrila, Cristina Bartha, Corina M. Manta, Mihaela Baibarac, International Journal of molecular sciences 2022, 23(7), 3975, DOI: https://doi.org/10.3390/ijms23073975

Patent

1. Processes for the preparation and use of new crystalline forms of 6- (3-Methyl-5-Nitroimidazol-4-IL) sulphanyl-9H-Purine (Azathioprine), Manta C M, Samohvalov D, Gherca D, Baibarac M, Lungan M A, Smaranda I, Barbatu A, Buhalteanu L, Udrescu A, Daescu M, Ilie M, Toulbe N, Patent Number(s): RO133946-A0.

Book chapter

1. Nanostructures based detection of pharmaceuticals and other contaminants of emerging concern, Baibarac, M; Toulbe, N, 2020, Advanced Nanostructures for Environmental Health, editors: Baia L; Pap, Z.; Hernandi K., Baia M, Elsevier, 75-114, DOI: https://doi.org/10.1016/B978-0-12-815882-1.00003-3

Oral presentation

1. Toulbe N, Baibarac M, Daescu M, photodegradation of melatonin evidenced by UV-VIS absorption and photoluminescence studies, oral presentation, Workshop on The results obtained within the type D subcontracts of the AMD-FARMA-MED-RO project, 27 September 2019, Magurele, Romania, (Oral presentation).
2. Toulbe N, Stroe M, Baibarac M, Daescu M, influence of reduced graphene oxide on α-lipoic acid interacting with metallic nanoparticles, Workshop on The results obtained within the type D subcontracts of the AMD-FARMA-MED-RO project, 30 September 2020, Magurele, Romania, (Oral presentation).
3. Toulbe N, Ion Smaranda, Catalin Negrila, Corina M. Manta, Mihaela Baibarac, Photodegradation process of Azathioprine in the presence of sodium thiosulfate, Workshop on The results obtained within the type D subcontracts of the AMD-FARMA-MED-RO project, 29 October 2021, Magurele, Romania, (Oral presentation).

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