



Europass Curriculum Vitae



Personal information

First names /
Surname

DANIELA CALINA

Office Address
Office Telephone

0-1 Bulevardului Ștefan cel Mare, Craiova 200340, Romania

E-mail

Nationality

Title

Professor of Clinical Pharmacy

Work
experience

Dates

2018 - today

Occupation or
position held

Professor (full) of Clinical Pharmacy, Department of Clinical Pharmacy, Dermatopharmacy and cosmetology, Faculty of Pharmacy, University of Medicine and Pharmacy of Craiova, Romania
Head of Clinical Pharmacy Dept, Faculty of Pharmacy, University of Medicine and Pharmacy of Craiova, Romania

2011 – today

Head of Pharmacy Department, County Clinical Emergency Hospital of Craiova, Romania

2017

Habilitated in Medicine

2015-2017

Associate Professor, University of Medicine and Pharmacy of Craiova

2010-2015

Lecturer, University of Medicine and Pharmacy of Craiova

2008-2010

Assistant Professor, University of Medicine and Pharmacy of Craiova

2005-2007

Teaching Assistant, University of Medicine and Pharmacy of Craiova

Main activities and responsibilities

PhD supervisor in the field of Medicine, activities of teaching, including the coordination of the graduation dissertation, continuing education courses. Coordinating the laboratory activity and teaching the Clinical Pharmacy course, Dermatopharmacy and Cosmetology course for the students in Pharmacy.

Head Coordinator of residency training in Clinical Pharmacy specialty.

Research in the field of Clinical and experimental Pharmacology, Clinical Pharmacy, Experimental and Clinical Toxicology: pharmaco-toxicological testing, phytopharmacology, metabolomics.

Member of the organizing and scientific committee of numerous local / national manifestations

- Member in the scientific committee of „National Congress of Pharmacy Students from Romania” – 30 March - 3 April 2016, Craiova, Romania
- Member in the scientific committee of „National Conference of Clinical Pharmacy” First Edition „Clinical Pharmacy – New frontiers” – 17-18 June 2016, Bucharest, Romania
- Member in the scientific committee of 2nd edition of the multidisciplinary conference with international attendance entitle “The importance of multidisciplinary approach in promoting patient safety”, 18th-20th of May 2017, Bucharest, Romania
- Member in the scientific committee of „National Conference of Clinical Pharmacy” Second Edition “Challenges of contemporary pharmacotherapy”, – 15-17 June 2017, Bucharest, Romania

Scientific distinctions

Associate member of World Academy of Science (since 2019)

- **UEFISCDI (Executive Unit for Financing Higher Education, Research, Development and Innovation) Prize in 2019 through the program PN-III-P1-1.1- PRECISI-2019 – 33981** for the ISI article: **Calina, D.**; Docea, A.O.; Golokhvast, K.S.; Sifakis, S.; Tsatsakis, A.; Makrigiannakis, A. Management of Endocrinopathies in Pregnancy: A Review of Current Evidence. *International Journal of Environmental Research and Public Health*. 2019; 16:781. IF 2,145.
- **Prize UEFISCDI PN-III-P1-1.1- PRECISI-2019- 32655** for the ISI article: Salehi B, Capanoglu E, Adrar N, Catalkaya G, Shaheen S, Jaffer M, Giri L, Suyal R, Jugran AK, **Calina D**, Docea AO, Kamiloglu S, Kregiel D, Antolak H, Pawlikowska E, Sen S, Acharya K, Selamoglu Z, Sharifi-Rad J, Martorell M, Rodrigues CF, Sharopov F, Martins N, Capasso R. Cucurbits Plants: A Key Emphasis to Its Pharmacological Potential. *Molecules*. 2019; 24(10):1854. IF 3,098
- **Prize UEFISCDI PN-III-P1-1.1- PRECISI-2019- 32961** for the ISI article: Tsoukalas D., Fragkiadaki P., Docea AO., Alegakis A.K., Sarandi E., Vakonaki E., Salataj E., Kouvidi E., Nikitovic D., Kovatsi L., Spandidos, DA., Tsatsakis A., **Calina, D.** Association of nutraceutical supplements with longer telomere length. *International Journal of Molecular Medicine*. 2019. IF 2,982
- **Prize UEFISCDI PN-III-P1-1.1- PRECISI-2019- 33027** for the ISI article: Tsatsakis AM, Anca Oana Docea, **Daniela Calina**, Ana Maria Buga, Ovidiu Zlatian, Sergei Gutnikov, Ronald N. Kostoff, Michael Aschner. Hormetic Neurobehavioral effects of low dose toxic chemical mixtures in real-life risk simulation (RLRS) in rats. *Food and Chemical Toxicology*. 2019; 125:141-149. IF =3,77
- **Prize UEFISCDI PN-III-P1-1.1- PRECISI-2019- 33972** for the ISI article: Salehi B, Sestito S, Rapposelli S, Peron G, **Calina D**, Sharifi-Rad M, Sharopov F, Martins N, Sharifi-Rad J. Epibatidine: A Promising Natural Alkaloid in Health. *Biomolecules*. 2019; 9(1):6. IF = 4,694
- **Prize UEFISCDI PN-III-P1-1.1- PRECISI-2019- 33981** for the ISI article: Salehi B., Jornet PL; López EF.; **Calina D.**; Sharifi-Rad, M; Ramírez-Alarcón K; Forman K; Fernández M; Martorell M; Setzer WN; Martins N; Rodrigues CF; Sharifi-Rad J. Plant-Derived Bioactives in Oral Mucosal Lesions: A Key Emphasis to Curcumin, Lycopene, Chamomile, Aloe vera, Green Tea and Coffee Properties. *Biomolecules*. 2019, 9:106 IF=4,694
- **Prize UEFISCDI PN-III-P1-1.1- PRECISI-2019- 36484** for the ISI article: Salehi B, Shivaprasad Shetty M, V. Anil Kumar N, Živković J, **Calina D**, Oana Docea A, Emamzadeh-Yazdi S, Sibel Kılıç C, Goloshvili T, Nicola S, Pignata G, Sharopov F, del Mar Contreras M, C. Cho W, Martins N, Sharifi-Rad J. *Veronica* Plants—Drifting from Farm to Traditional Healing, Food Application, and Phytopharmacology. *Molecules*. 2019; 24(13):2454. IF 3,06
- **Prize UEFISCDI PN-III-P1-1.1- PRECISI-2019- 38257** pentru articolul ISI in extenso Salehi B, Sharifi-Rad J, Capanoglu E, Adrar N, Catalkaya G, Shaheen S, Jaffer M, Giri L., Suyal R.; Jugran AK, **Calina D**, Docea AO, Kamiloglu S, Kregiel D, Antolak H, Pawlikowska E, Sen S, Acharya K, Bashiry M, Selamoglu Z, Martorell M, Sharopov F, Martins N, Namiesnik J, Cho WC. *Cucurbita* Plants: From Farm to Industry. *Applied Science-Basel*, 2019, 9, 3387. IF 2,217
- **UEFISCDI (Executive Unit for Financing Higher Education, Research, Development and Innovation) Prize in 2018 through the program PN-III-P1-1.1- PRECISI-2018- 22862** for the article “Boda D, Docea AO, Calina D, Ilie MA, Caruntu C, Zurac S, Neagu M, Constantin C, Branisteanu DE, Voiculescu V, Mamoulakis C, Tzanakakis G, Spandidos DA, Drakoulis N, Tsatsakis AM. Human papilloma virus: Apprehending the link with carcinogenesis and unveiling new research avenues (Review). *Int J Oncol*. 2018;52(3):637-55”

	<ul style="list-style-type: none"> • UEFISCDI (Executive Unit for Financing Higher Education, Research, Development and Innovation) Prize in 2018 through the program PN-III-P1-1.1- PRECISI-2018-25151 for the article "Docea AO, Gofita E, Goumenou M, Calina D, Rogoveanu O, Varut M, Olaru C, Kerasioti E, Fountoucidou P, Taitzoglou I, Zlatian O, Rakitskii VN, Hernandez AF, Kouretas D, Tsatsakis A. Six months exposure to a real life mixture of 13 chemicals' below individual NOAELs induced non monotonic sex-dependent biochemical and redox status changes in rats. Food Chem Toxicol. 2018;115:470-81 • Special Prize for the paper "Etiopathogeny and risk factors for urinary tract infections in children" at „National Conference of Clinical Pharmacy" First Edition „Clinical Pharmacy – New frontiers " – 17-18 June 2016, Bucharest, Romania, ISBN 978-973-0-21752-0, authors: Calina Daniela, Gofita Eliza, Docea Anca, Zlatian Ovidiu, Balasoiu Maria. • Honorable Mention for the poster presentation: "Evaluation of long term low dose exposure to mixtures on the lymphocytes type of the peripheral blood of rats", authors: Kalogeraki A, Stivaktakis P, Docea AO, Calina D, Gofita E, Crenguta Nicolae A, Dragoi CM, Nikitovic D, Tzardi M, Tsatsakis A at Romanian National Congress of Toxicology with international attendance, second edition– 2-4 November 2017, Bucharest, Romania. • Award nominee for the article: Involvement of Microbial Flora in Etiology of Chronic Infectious Diseases published in the European Journal of Hospital Pharmacy Science and Practice 2015; 22: A57 doi:10.1136 / ejhpharm-2015-000639.137 (2015) IF 0.433 and presented orally on 26 March to the 20th Congress of EAHP 25-27 March 2015, Hamburg, Germany.
PhD	2001-2006. Diploma of PhD in Medical sciences, field of Pharmacy, University of Medicine and Pharmacy of Craiova, Romania
MSc Dates	<ul style="list-style-type: none"> • 2016-2017. Pharmacology and Toxicology - master • 2010-2012. The Management of Health Units - master ➤ 1998-2003. PharmD, Diploma of licence in Pharmaceutical Sciences, University of Medicine and Pharmacy of Craiova, Romania ➤ 1992-1998. MD, Diploma of licence in Medicine (General Medicine), University of Medicine and Pharmacy of Craiova, Romania
Title of qualification awarded	<ul style="list-style-type: none"> • 2011- today. Primary clinical pharmacist, Head of Pharmacy Department, County Clinical Emergency Hospital of Craiova, Romania • 2006-2011. Specialist clinical pharmacist, County Clinical Emergency Hospital of Craiova, Romania • 2004-2006. Residency training in Clinical Pharmacy specialty, "Carol Davila" University of Medicine and Pharmacy, Bucharest, Romania

Research interests

General Medicine, Clinical Pharmacy
General, special, clinical and experimental pharmacology
Experimental and clinical toxicology, Metabolomics, Clinical trials

Editorial role

Editorial board member

- **Associate editor** - *Toxicology Reports* (Elsevier)
- **Editorial Board Member** - *World Academy of Science Journal* (Spandidos Publications), *International Journal of Functional nutrition* (Spandidos Publication).
- **Guest Associate Editor: *Frontiers in Pharmacology, Ethnopharmacology***, 2021, Research Topic „Natural Bioactive Compounds and Neurodegenerative Disorders from Molecular Mechanisms Towards Clinic
[frontiersin.org/research-topics/15949/natural-bioactive-compounds-and-neurodegenerative-disorders-from-molecular-mechanisms-towards-clinic](https://www.frontiersin.org/research-topics/15949/natural-bioactive-compounds-and-neurodegenerative-disorders-from-molecular-mechanisms-towards-clinic)
<https://www.frontiersin.org/research-topics/15949>
- **Guest Associate Editor: *Frontiers in Medicine, Translational Medicine***, 2021, Research Topic:
- **Guest Editor: *Life, MDPI***, 2021, Special issue „ Old and New Pandemics: challenges for humans”
https://www.mdpi.com/journal/life/special_issues/pandemics
- **Guest Editor: *Medicina MDPI***, 2020, Special Issue "Modern lifestyle, anthropogens and chronic diseases from myths to reality".
https://www.mdpi.com/journal/medicina/special_issues/anthropogens_chronic_diseases
- **Guest Editor: *Cellular and Molecular Biology***, 2020, Special Issue „Molecular biology, phytochemistry and pharmacological properties of bioactive compounds”
<https://www.cellmolbiol.org/index.php/CMB/pages/view/Call%20for%20Papers>

Reviewer

Nutrition, Natural product research, Food and Chemical Toxicology, Oncology Reports, Oncology Letters, Acta endocrinologica, Toxicology Reports, Farmacia Journal, Journal of Herbal Medicine, Journal of Biological Regulators and Homeostatic Agents, Experimental and therapeutic medicine, Marine drugs, International Journal of Molecular Science, Coatings, ACS Omega, NeuroSci, Cells, Sustainability, IJERPH (MDPI), Nanomaterials, Molecules, Antibiotics, Frontiers in Medicine, Frontiers in Public Health, International Immunopharmacology, Journal of Translational Medicine, Brazilian Journal of Pharmaceutical Sciences, RSC Medicinal Chemistry, Pharmacological Reports

Membership in scientific societies

- International Pharmaceutical Federation (FIP)
- European Society of Clinical Microbiology and Infectious Diseases (ESCMID)
- European Association of Toxicology (EUROTOX)
- European Association of hospital pharmacists (EAHP)

Plenary Lectures**Invited speaker**

- 1.
2. Potential vaccines Covid-19. National Pharmacy Conference, November 14-16, 2020, Bucharest
3. Eating habits and chronic diseases. National Pharmacy Conference, November 14-16, 2020, Bucharest
4. Potential vaccines: current status and perspectives. Pharma Forum Craiova, 26-28 November, 2020.
5. The management of dislipidemic patients. Pharma Forum Craiova, 21-22 October, 2020.
6. Covid-19 vaccines: an update and ethical considerations. The 4th Conference of the Romanian Association of Immuno-Dermatology. The 49th Conference of the Romanian Society of Immunology, 30 Sept-03 Oct, Bucharest, Romania. Member in Scientific Comitee of the Conference.
7. COVID-19 vaccines: an update and ethical considerations. 11th International Conferenece, Bionanotox 2020, September 7-8, Heraklion, Greece.
8. New horizons of nanomedicine in cancer: Nanocurcumin. National Pharmacy Conference, November 14-16, 2019, Bucharest
9. Assessing the safety of using silver nanoparticles as antimicrobial agents. National Pharmacy Conference, November 14-16, 2019, Bucharest
10. The pharmacist's role in smoking cessation therapy; 11th edition of the national interdisciplinary pharmacist-physician conference, 15-17 November 2018, Bucharest.
11. Marine bioresources: potential uses in dermatocosmology. Primaderm, ed. And VIIa 24-26 May, 2018, Iasi.
12. Pharmaceutical pods in European pharmacies: legislation and resolutions of the European Council; Farmacist.ro Conference, 19-20 September 2017, Craiova
13. Acne treatment - from phytotherapeutic empiric to nanotechnology. First Congress of the Romanian Immunodermatology Association, October 2017, Bucharest
14. Insight into reducing polypharmacy in elderly: deprescribing / A view of reducing polymedication in the elderly: deprescribing. National Congress of Toxicology, 2nd ed., November 2017, Bucharest
15. Age-dependent refractory acne - endocrinological, dermatological congruences
16. and pharmacological. National Pharmacy Conference, 16-18 November, Bucharest, 2017
17. Impact of the European Council's legislation and resolutions on some medicinal products. Practical Farm Symposium, 61, 2017, Baile Herculane

Workshops

- Polypragmazy in the elderly "too many" drugs or a necessity. National Congress of Romanian Pharmacists Students; March 30 - April 3, 2016; Craiova; FASFR, OSF and UMF Craiova.
- Diagnosis and treatment of acne in hormone pathology. First Congress of the Romanian Immunodermatology Association, October 2017, Bucharest.
- Neurotoxicity and behavioral outcomes of cholinesterase inhibitors-from mechanism of action to health effects – at the 2nd edition of multidisciplinary conference with international attendance entitle "The importance of multidisciplinary approach in promoting patient safety", 18th-20th of May 2017, Bucharest, Romania
- Mixtures effects on biochemical parameters after long-term low-dose exposure /
- Effects of long-term administration of low doses of xenobiotic mixtures on biochemical parameters. Authors: Anca Oana Docea, Daniela Cornelia Calina, Eliza Gofita, Ovidiu Zlatian, Marius Varut, Cristian Olaru. National Congress of Toxicology with International Participation, 3rd edition, 3-4 November 2017, Bucharest.
- Evaluation of adverse effects in antiviral therapies in virus infection C. Authors: Docea AO, Mitruț P, Călina D, Gofița E. "National Conference of Clinical Pharmacy" Second Edition "Challenges of contemporary pharmacotherapy" - 15-17 June 2017, Bucuresti, Romania.
- Predicting the incidence of adverse effects in dual therapy with peg-interferon and ribavirin in the treatment of chronic hepatitis C virus by pharmacogenomic tests. AO Docea, R Mitruț, E Gofita, D. Călina. National Conference of Clinical Pharmacy "Second Edition" Challenges of Contemporary Pharmacotherapy "- 15-17 June 2017, Bucharest, Romania.
- The study of Entecavir treatment side effects on patients with chronic hepatitis B virus infection. Authors: Docea AO, Gofita E, Calina D, Mitruz P. First Romanian National Congress of Toxicology with international attendance, 16-18 October, Bucharest, 2015.

Curriculum vitae

Prof. dr. Daniela Calina

- Involvement of microbial flora in the etiology of surgical site infections. 2047-9964 (online) Eur J Hosp Pharm 2015;22: A57 doi: 10.1136 / ejhpharm-2015-000639.137. IF = 0.43 (Poster Award Nominee) SRI 0.128. Authors: Calm D, Staicu I, Rosu L, Rosu AF, Zlatian O
- Lead Poisoning caused by boilers used to plum brandy distillation - International Congress of Clinical Pharmacology, Therapeutics and Toxicology, 7-11 June 2011, Bucharest, Romania. Authors: Mitruț AO, Eliza Gofita, Mitruț P., Calina D
- The management of acute bacterial pneumonia in elderly patients - International Congress of Clinical Pharmacology, Therapeutics and Toxicology 7-11 June 2011, Bucharest, Romania. Authors: Mitruț AO, Călina D, Mitruț P, Gofiță E
- Study of the sensitivity to antibiotics of Staphylococcus aureus strains isolated from genital infections. International Congress of the Romanian Society of Clinical Pharmacology, Therapeutics and Toxicology 7-11 June 2011, Bucharest, Romania. Authors: Mitruț AO, D Călina, Gofiță E, Roșu L, Mitruț P.

ORCID ID <https://orcid.org/0000-0002-1523-9116>

Publons ID <https://publons.com/researcher/2103790/daniela-calina/>

Funded Research Projects

Internal grants of University of Medicine and Pharmacy of Craiova, Romania

- Influence of antibiotic therapy on the occurrence of multiresistance in germs involved in infections of the patients from the Anesthesia and Intensive Care Unit of the Emergency County Clinical Hospital Craiova, grant no. 15/8.01.2015 (8.01.2015 - 30.10.2016)
- Evaluation of the efficacy and safety of the Calceformin preparation in elderly women with osteoporosis as a non-hormonal stimulant of the hypothalamic-pituitary system and as a source of bioavailable calcium and vitamin D3 (prospective study), grant 759/11.07.2016 (15.07. 2016- 15.07.2017)
- Measurement of therapeutic adherence. Predictive factors on the magnitude of therapeutic adherence, grant 560/19.05.2016, (01.06.2016 - 30.11.2017)
- Bacteriological and antibiotic resistance research in patients with suppressed upper respiratory tract infections. Grant no 1054/26.10.2016 (26.10.2016-25.10.2017)
- Study of the anti-aging effect caused by telomerase activation of some food supplements with Astragalus membranaceus extract.

Personal skills and competences

Mother tongue Romanian

Other languages English

Self-assessment
European level (*)

Language: English

Understanding		Speaking		Writing	
Listening	Reading	Spoken interaction	Spoken production		
C2	C2	C2	C2	B1	

(*) Common European Framework of Reference for Languages

Social skills and competences Good communication ability, very good team integration

Organisational skills and competences Excellent communication skills, experience in research projects, experience in management and leading positions

Technical skills and competences Clinical pharmacy, Clinical and experimental pharmacology, clinical Toxicology, Clinical trials, Metabolomics, ethnopharmacology, pharmaco-toxicological testing (experimental models for the evaluation of the action and toxicity of medicines or toxic substances; in vitro studies on cell suspensions) Physico-chemical methods of analysis, including on biological samples: chromatographic analysis using techniques as Thin Layer Chromatography – High Performance Thin Layer Chromatography (TLC-HPTLC), High Performance Liquid Chromatography (HPLC), Gas Chromatography – Mass Spectrometry (GC-MS), Liquid Chromatography – Mass Spectrometry (LC-MS); Ultraviolet – Visible (UV-VIS) spectrophotometry

Computer skills
and competences

Good ability to use Microsoft Office™ (Word™, Excel™ și PowerPoint™).

Publications Books

12 Book chapters – author with didactic profile

4 Books Chapters in international publisher– co-author

- Mitruț P, Mitruț AO, Streba L, **Călina D**, Salplahta D. **Chapter 3:** Sedation Related to Gastrointestinal Endoscopy. **Book:** Gastrointestinal Endoscopy. Editor: O Pascu. ISBN: 978-953-307-385-9, InTech, 2011, p.23-44. DOI: 10.5772/23990
- Mitruț P, Docea AO, **Calina CD**, Streba L. **Chapter 15:** Endoscopy in Pregnancy. **Book:** Endoscopy. Editor: S Amornytin. ISBN: 978-953-51-1071-2, InTech, 2013, p. 349-363. DOI: 10.5772/52550
- Mitruț P, Docea AO, Kamal AM, Mitruț R, **Călina D**, Gofiță E, Pădureanu V, Gruia C, Streba L. **Chapter 8:** Colorectal Cancer and Inflammatory Bowel Disease. **Book:** Colorectal Cancer – From Pathogenesis to Treatment. Editor: L Rodrigo. ISBN 978-953-51-2545-7, InTech, 2016, p.187-201.
- Bogdan M, Gofita E, **Calina CD**, Turcu- Stolica A, Docea AO, Balseanu TA, Camen A, Popa GE, Rusu G, Cristofor I, Pavel L, Mititelu-Tartau L. (May 23rd 2018). **Chapter 7:** New Antidepressant Medication: Benefits Versus Adverse Effects, Pharmacokinetics and Adverse Effects of Drugs. **Book:** Pharmacokinetics and Adverse Effects of Drugs. Editor: N. Malangu. ISBN: 978-1-78923-139-7, IntechOpen, 2018, p.126-152.

Publications in journals

Annex 1. ISI Publications (HI = 24, citations =1612, May 2021)

Annex 2. ISI abstracts

Annex 1

ISI Publications

Q1 Journals

1. Sharifi-Rad J, Cristina Quispe, Shabnum Shaheen, Mohammed El Haouari, Elena Azzini, Monica Butnariu, Ioan Sarac, Marius Pentea, Karina Ramírez-Alarcón, Miquel Martorell, Manoj Kumar, Anca Oana Docea, Natália Cruz-Martins, **Daniela Calina**. Flavonoids as potential anti-platelet aggregation agents: from biochemistry to health promoting abilities. *Critical Reviews in Food Science and Nutrition*, 2021. **IF 7,862**
DOI: 10.1080/10408398.2021.1924612
2. Sharifi-Rad J, Dey A, Koirala N, Shaheen S, El Omari N, Salehi B, Goloshvili T, Cirone Silva NC, Bouyahya A, Vitalini S, Varoni EM, Martorell M, Abdolshahi A, Docea AO, Iriti M, **Calina D**, Les F, López V and Caruntu C (2021) *Cinnamomum* Species: Bridging Phytochemistry Knowledge, Pharmacological Properties and Toxicological Safety for Health Benefits. *Frontiers in Pharmacology*. 12:600139. **IF 4,226**
doi: 10.3389/fphar.2021.600139 (corresponding author)
3. Neagu M, **Calina D**, Docea AO, Constantin C, Fillipini T, Vinceti M, Drakoulis N, Poulas K, Konstantinos P, Nikolouzakis TK, Spandidos DA, Tsatsakis A. Back to basics in COVID-19: Antigens and antibodies—Completing the puzzle. *Journal of Cellular and Molecular Medicine*. 2021; 00: 1– 11. (contributed equally) **IF 4,486** doi.org/10.1111/jcmm.16462
4. Tsoukalas D, Zlatian O, Mitroi M, Renieri E, Tsatsakis A, Izotov BN, Burada F, Sosoi S, Burada E, Buga AM, Rogoveanu I, Docea AO, **Calina D**. A Novel Nutraceutical Formulation Can Improve Motor Activity and Decrease the Stress Level in a Murine Model of Middle-Age Animals. *Journal of Clinical Medicine*. 2021; 10(4):624. **IF 3,303** doi.org/10.3390/jcm10040624
5. Taheri Y, Jokovic N, Vitorovic J, Grundmann O, Maroyi A, **Calina D**. The Burden of the Serious and Difficult-to-Treat Infections and a New Antibiotic Available: Cefiderocol. *Frontiers in Pharmacology* 11:578823.2021. 2021 **IF 4,226** doi: 10.3389/fphar.2020.578823
6. Salehi B., Chamkhi, El Omari, Balahbib, Sharifi-Rad J, Bouyahya, Akram, Iqbal, Docea, Caruntu, Leyva-Gómez, Dey, Martorell, **Calina D**, López and Les. Pharmacological Properties of Chalcones: Efficacy, Molecular Mechanisms, and Clinical Applications. *Frontiers in Pharmacology*. 2020. **IF 4,226** (corresponding author). [doi: 10.3389/fphar.2020.592654](https://doi.org/10.3389/fphar.2020.592654)
7. Tsatsakis A, **Calina D**, Falzone L, Petrakis D, Mitrut R, Siokas V, Pennisi M, Lanza G, Libra M, Doukas SG, Doukas PG, Kavali L, Bukhari A, Gadiparthi C, Vageli DP, Kofteridis DP, Spandidos DA, Paoliello MMB, Aschner M, Docea AO. SARS-CoV-2 pathophysiology and its clinical implications: An integrative overview of the pharmacotherapeutic management of COVID-19. *Food and Chemical Toxicology*. 2020, Volume 146. ISSN 0278-6915. (contributed equally). **IF 4,679** <https://doi.org/10.1016/j.fct.2020.111769>.
8. Sharifi-Rad J, Kamiloglu S, Yeskalyeva B, Beyatli A, Alfred MA, Salehi B, Calina D, Docea AO, Imran M, Anil Kumar NV, Eugenia Romero-Román M, Maroyi A, Martorell M. Pharmacological activities of Psoralidin: a comprehensive review of the molecular mechanisms of action. *Frontiers in Pharmacology*. 2020. 11:571459. **IF 4,226** (corresponding author). doi: 10.3389/fphar.2020.571459
<https://www.frontiersin.org/articles/10.3389/fphar.2020.571459/abstract>
9. Sarkar C, Mondal M, Toregul Islam M, Martorell M, Docea AO, Maroyi A, Sharifi-Rad J, **Calina D**. Potential Therapeutic Options for COVID-19: Current Status, Challenges, and Future Perspectives. *Frontiers in Pharmacology*. 2020, 11:572870. **IF 4,226** (corresponding author). <https://www.frontiersin.org/articles/10.3389/fphar.2020.572870/full>, doi: 10.3389/fphar.2020.572870
10. Salehi B, Sharifi-Rad J, Cappellini F, Reiner Z, Zorzan D, Imran M, Sener B, Kilic M, El-Shazly M, Fahmy NM, Al-Sayed E, Martorell M, Tonelli C, Petroni K, Docea AO, **Calina D**, Maroyi A. The Therapeutic Potential of Anthocyanins: Current Approaches Based on Their Molecular Mechanism of Action. *Frontiers in Pharmacology*. 2020, 11:1300. **IF 4,226** (corresponding author).
<https://www.frontiersin.org/articles/10.3389/fphar.2020.01300/abstract> doi: 10.3389/fphar.2020.01300
11. Sharifi-Rad M, Anil Kumar NV, Zucca P, Varoni EM, Dini L, Panzarini E, Rajkovic J, Tsouh Fokou PV, Azzini E, Peluso I, Prakash Mishra A, Nigam M, El Rayess Y, Beyrouthy ME, Polito L, Iriti M, Martins N, Martorell M, Docea AO, Setzer WN, **Calina D**, Cho WC and Sharifi-Rad J. Lifestyle, Oxidative Stress, and Antioxidants: Back and Forth in the Pathophysiology of Chronic Diseases. *Frontiers in Physiology*. 2020. 11:694. **IF 3,367** (corresponding author, contributed equally)
<https://www.frontiersin.org/articles/10.3389/fphys.2020.00694/full>, doi: 10.3389/fphys.2020.00694

12. **Calina, D.**; Buga, A.M.; Mitroi, M.; Buha, A.; Caruntu, C.; Scheau, C.; Bouyahya, A.; El Omari, N.; El Menyiy, N.; Docea, A.O. The Treatment of Cognitive, Behavioural and Motor Impairments from Brain Injury and Neurodegenerative Diseases through Cannabinoid System Modulation—Evidence from In Vivo Studies. *Journal of Clinical Medicine* **2020**, *9*, 2395. **IF 3,303**
<https://doi.org/10.3390/jcm9082395>. PMID: 32726998
13. Iordache AM, Ana Maria Buga, Dana Albulescu, Ramona Constantina Vasile, Radu Mitrut, George Georgiadis, Ioannis-Erineos Zisis, Charalampos Mamoulakis, Aristidis Tsatsakis, Anca Oana Docea, **Daniela Calina**. Phosphodiesterase-5 inhibitors ameliorate structural kidney damage in a rat model of contrast-induced nephropathy. *Food and Chemical Toxicology*, 2020;111535. ISSN 0278-6915. **IF 4,679**
doi.org/10.1016/j.fct.2020.111535. (<http://www.sciencedirect.com/science/article/pii/S0278691520304257>)
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