



## Mihaela Cornea-Cipcigan

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WOS: <https://www.webofscience.com/wos/author/record/AAA-9749-2020>

Work: Calea Manastur 3-5, 400372 (Romania)

### WORK EXPERIENCE

#### Member of international research projects

##### 2019-present

Project no. **26.526/07.12.2017** – Identification of the botanical origin of different biological samples sent by the CARI asbl laboratory (Belgium), designing an international database and research of the flora from different exotic kingdoms

##### 2021 – 2022

ERANET 2021 COFOUND - **SusCrop 237/2021** – Development of novel breeding technology for improved root system, drought tolerance and sustainable plant productions

### EDUCATION AND TRAINING

#### PhD in Horticulture

*University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca* [ 01/10/2017 – Current ]

#### Forest ecosystem management (Master's Degree)

*Faculty of Horticulture, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca* [ 01/10/2015 – 30/06/2017 ]

#### Environmental protection Engineering Diploma (Bachelor's Degree)

*Faculty of Agriculture, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca* [ 01/10/2011 – 30/06/2015 ]

#### Certificate of Attendance at How to get published: An author workshop with Food Chemistry: Molecular Sciences, at Food Chemistry: Molecular Sciences

*Presented by Jennifer Wood, Publisher, Siân Astley, Editor* [ 04/02/2021 ]

### LANGUAGE SKILLS

Mother tongue(s): **Romanian**

#### Other language(s):

##### English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

##### French

LISTENING B1 READING B1 WRITING A1

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

### DIGITAL SKILLS

Operating knowledge of Microsoft Office programs (Word, Excel, PowerPoint, Access) / PAST Software / XLstat / Good knowledge of ImageJ software / BioRender / EndNote Software / Mendeley software / R/Rstudio

### PUBLICATIONS

#### ISI Publications as first or corresponding author

**Cornea-Cipcigan M**, Pamfil D, Sisea CR, Margaoan, Characterization of Cyclamen genotypes using morphological descriptors and DNA molecular markers in a multivariate analysis, *Frontiers in Plant Science*, **2023** (IF: **6.627**)

**Cornea-Cipcigan M**, Cordea MI, Mărgăoan R, Pamfil D, Exogenously Applied GA3 Enhances Morphological Parameters of Tolerant and Sensitive *Cyclamen persicum* Genotypes under Ambient Temperature and Heat Stress Conditions, *Plants*, **2022** (IF: **4.658**, Q1)

**Cornea-Cipcigan M**, Bunea A, Bouari CM, Pamfil D, Páll E, Urcan AC, Mărgăoan R, Anthocyanins And Carotenoids Characterization In Flowers And Leaves Of Cyclamen Genotypes Linked With Bioactivities Using Multivariate Analysis Techniques, *Antioxidants*, **2022** (IF: **6.313**, **Q1**)

**Cornea-Cipcigan M**, Pamfil D, Sisea CR, and Mărgăoan R, Gibberellic Acid Can Improve Seed Germination and Ornamental Quality of Selected Cyclamen Species Grown Under Short and Long Days, *Agronomy*, **2020** (IF: **2.259**, **Q1**)

**Cornea-Cipcigan M**, Pamfil D, Sisea CR, Gavriş CP, Campos MG and Mărgăoan R, A review on Cyclamen species: Transcription factors vs. Pharmacological effects, *Acta Poloniae Pharmaceutica*, **2019**, (IF: **0.456**, **Q4**)

Sarioğlu-Bozkurt A, Topal E, Güneş N, Üçeş E, **Cornea-Cipcigan M**, Coşkun İ, Cuiş L, Mărgăoan R., Changes in Vitellogenin (Vg) and Stress Protein (HSP 70) in Honey Bee (*Apis mellifera anatoliaca*) Groups under Different Diets Linked with Physico-Chemical, Antioxidant and Fatty and Amino Acid Profiles, *Insects* **2022**, (IF: **3.139**, **Q1**), (shared first authorship)

Barta DG, **Cornea-Cipcigan M**, Mărgăoan R, Vodnar DC. Biotechnological Processes Simulating the Natural Fermentation Process of Bee Bread and Therapeutic Properties—An Overview, *Frontiers in Nutrition*, **2022** (IF: **6.575**, **Q1**) (shared first authorship)

Mărgăoan R, Topal E, Balkanska R, Yücel B, Oravec T, **Cornea-Cipcigan M\***, Vodnar DC. Monofloral Honeys as a Potential Source of Natural Antioxidants, Minerals and Medicine. (\*Corresponding author), *Antioxidants*, **2021** (IF: **6.313**, **Q1**)

Mărgăoan R, Özkök A, Keskin Ş, Mayda N, Urcan AC, **Cornea-Cipcigan M\***, Bee collected pollen as a value-added product rich in bioactive compounds and unsaturated fatty acids: A comparative study from Turkey and Romania, *LWT*, **2021** (IF: **4.952**, **Q1**)

Topal E, Adamchuk L, Negri I, Kösoğlu M, Papa G, Dârjan MS, **Cornea-Cipcigan M\***, Mărgăoan R. Traces of Honeybees, Api-Tourism and Beekeeping: From Past to Present, *Sustainability*, **2021** (IF: **3.251**, **Q2**)

Margaoan R, **Cornea-Cipcigan M\***, Topal E\*, Kösoğlu M, Impact of Fermentation Processes on the Bioactive Profile and Health-Promoting Properties of Bee Bread, Mead and Honey Vinegar. *Processes*, **2020** (IF: **2.753**, **Q2**)

Mărgăoan R, Stranţ M, Varadi A, Topal E, Yücel B, **Cornea-Cipcigan M\***, Campos MG, Vodnar DC. Bee collected pollen and bee bread: Bioactive constituents and health benefits. *Antioxidants*, **2019** (IF: **4.520**, **Q1**)

#### ISI Publications as co-author

Hârta M, Clapa D, **Cornea-Cipcigan M**, Borsai O, Pop R, & Cordea MI. Multivariate Assessment of Genetic Relationships between Two *Streptocarpus* Cultivars and Their F1 Progenies Using Morphological Characteristics and SCoT Molecular Markers. *Horticulturae*, **9**(4), 497, **2023** (IF: **2.923**, **Q1**)

Topal E, Çakici N, Margaoan R, Takma Ç, Güney F, Kösoğlu M, **Cornea-Cipcigan M** & Atmaca H. Annual Development Performance of Fixed Honeybee Colonies linked with Chemical and Mineral Profile of Bee Collected Pollen, *Chemistry & Biodiversity*, **2022** (IF: **2.745**, **Q3**)

Koşum N, Yücel B, Kandemir Ç, Taşkın T, Duru ME, Küçükaydin S, Margaoan R, & **Cornea-Cipcigan M**. Chemical composition and androgenic effect of bee drone larvae (Apilarnil) for goat male kids. *Chemistry & Biodiversity*, **2022** (IF: **2.745**, **Q3**)

Kentelky E, Szekely-Varga Z, Morar IM, & **Cornea-Cipcigan M**, Morphological Responses of Viola Accessions to Nutrient Solution Application and Electrical Conductivity, *Plants*, **2022** (IF: **3.935**, **Q1**)

Mureşan CI, **Cornea-Cipcigan M**, Suharoschi R, Erler S, & Mărgăoan R. Honey botanical origin and honey-specific protein pattern: Characterization of some European honeys, *LWT*, **2022** (IF: **4.952**, **Q1**)

Urcan AC, Criste AD, Dezmirean DS, Bobiş O, Bonta V, Dulf F.V, Mărgăoan R, **Cornea-Cipcigan M**, & Campos MG. Botanical origin approach for a better understanding of chemical and nutritional composition of beebread as an important value-added food supplement. *LWT*, **2021** (IF: **4.006**, **Q1**)

Bobiş O, Bonta V, **Cornea-Cipcigan M**, Nayik G.A, And Dezmirean D.S. Bioactive Molecules for Discriminating Robinia and Helianthus Honey: High-Performance Liquid Chromatography–Electron Spray Ionization–Mass Spectrometry Polyphenolic Profile and Physicochemical Determinations, *Molecules*, **2021** (IF: **4.411**, **Q2**)

Mărgăoan R, Chirilă F, and **Cornea-Cipcigan M**. Bee pollen methanolic extracts: total polyphenols content and antibacterial activity. Scientific Papers. Series D. Animal Science, **2021** (ISI journal)

#### Book chapters

**Cornea-Cipcigan M**. and Pamfil D. *Cyclamen Breeding in Advances in Plant Breeding Strategies* Vol 14 Ornamental Landscaping Plants **Part II Ornamental potted plants**, **2023**, (Forthcoming Issue)

Margaoan R. and **Cornea-Cipcigan M**. *Neuroprotection induced by honey compounds* in *Natural Molecules in Neuroprotection and Neurotoxicity* Part II. Neuroprotection mediated by natural molecules, Academic Press, **2023** (Forthcoming issue)

Margaoan R. and **Cornea-Cipcigan M**. *Carotenoids and vitamins of bee collected pollen* in *Pollen Chemistry and Biotechnology*, Springer Nature, **2023**, (Forthcoming issue)

#### BDI Publications

**Cornea-Cipcigan M** & Pamfil D. Expression Effects of CHI and CHS Genes and Colchicine Treatment in Yellow Flowered Cyclamen: a Review. *BUASVM Cluj-Napoca. Horticulture*, **2019**, 76(1), 1-10.

Topal E, **Cornea-Cipcigan M**, Tunca RI, Kösoğlu M, Mărgăoan R. The Use of Medicinal Aromatic Plants Against Bee Diseases and Pests, *Bee Studies*, **2020**, 12(1), 5-11.

Topal E, Ceylan Ö, Kösoğlu M, Mărgăoan R. & **Cornea-Cipcigan M**. Structure, Usage Areas and Main Problems of Bees Wax (Bal mumunun yapısı, kullanım alanları ve bazı temel sorunları), *Uludağ Arıcılık Dergisi*, **2020**, 20(2), 209-220.

Mărgăoan R, Aradăvoaice Ş, **Cornea-Cipcigan M\***, & Sîsea C.R. The Role of Pollinators in Maintaining the Biodiversity of Some Exotic Cultures. *International Journal of Environmental Research and Technology*, **2019**, 2(1), 17-23.

## **CONFERENCES AND SEMINARS**

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### **Invited Speaker**

[ 11/05/2023 – 13/05/2023 ]

7<sup>th</sup> Conference on Horticulture and Landscape Architecture in Transylvania, **The Anniversary Symposium of the Horticultural Engineering and Landscape Architecture Study Programs**, May 11-13, 2023, Târgu Mureş, Romania

## **SOFT SKILLS**

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**Good communication skills acquired through participation in workshops, symposiums, conferences, projects and as a volunteer**

**Good organizational skills acquired during the practical and research activities carried out within the faculty where I learned skills such as meticulousness, perseverance in performing tasks, adaptability.**

## **HIRSCH INDEX**

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**Cumulated Impact Factor: 20.313**

**HI (WOS): 6, Scopus: 7, Google Scholar: 9; Citations: 137 (WoS), 295 (Google Scholar).**

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20/05/2023



