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Representative activities

- 2001-now: President of the Romanian Society of Ethnopharmacology
- 2002-now: Member of the European Society of Ethnopharmacology
- 2008-2018 Professor of Food Biochemistry, Food quality management, Natural resources for food nutrients and food supplements (medicinal and aromatic plants), Methodology of scientific research at Food and Tourism, Phytotherapie and the medicinal plants, at the „*Transilvania*” University of Brașov, Romania
- 1997-2008 Professor of Processing and valorization of medicinal plants, Food Biochemistry, Analysis and Control for agri-food products and medical cosmetics at the „*Lucian Blaga*” University of Sibiu Faculty of Agricultural Sciences, Food Technologies and Environmental Protection

Education and formations

- PhD (1995) in Biochemistry „Babeș-Bolyai” University of Cluj-Napoca
- *Principal scientific researcher of first degree CP I (1993)* - Bucharest Institute of Chemical and Pharmaceutical Research (ICCF) and at the Research Station for Medicinal and Aromatic Plants (SCPMA Fundulea – ASAS Bucharest)
- *Director of three training projects* for trainers in the field of Ethnopharmacology 2003 SFE Metz France, Technologies for the extraction of biologically active substances 2005 Archimex France, Food allergens 2009 Milano University with the Europass Attestation Certificate
- 1995-2018: Coordinator of research programs for bachelor's and master's degrees in the field of biologically active substances in medicinal and aromatic plants
- 1990-2000 head of research laboratory in biochemistry of medicinal plants

Research interests

- Research with students for bachelor's and master's theses, but also applied research through national or European research contracts in the field of ethnopharmacology and medicinal plants:
 - the quality of food products and nutritional supplements and of raw materials obtained from medicinal and aromatic plants (for the Romanian Traditional Pharmacopoeia);
 - modern technologies for the extraction of biologically active substances from medicinal and aromatic plants;

- capitalization of the knowledge of traditional medicine and the realization on a scientific basis of food, cosmetic and phytotherapeutic products without risk in use (physico-chemical, microbiological, pharmacodynamic and clinical tests).

Important publications

- Coordinator of the publication Ethnopharmacology - Book of Abstracts published at the Ethnopharmacology Symposiums with international participation ISSN (etnofarma.ro) starting with 2008, 2011, 2013, 2015, 2018, 2021, 2023, 2025.
- Plants in Romanian folk medicine C. Drăgulescu, A. Mărculescu Ed. UNITBV 2020 ISBN;
- Le bilan de 20 ans d'ethnopharmacologie en Roumanie pg.48-53, A. Mărculescu – ETHNOPHARMACOLOGIA nr. 66/2022/1 – Bulletin de la SFE et SEE – Dossier Special pour la Médecine traditionnelle de Roumanie
- Biochimie alimentaire A. Mărculescu, C.Bădărău Ed. UNITBV 2012, ISBN
- Modern technologies for extraction of biologically active products, ULB Sibiu Publishing House, 2006 ISBN;
- Technology of processing and capitalization of medicinal plants Ed. ULBS 2004 ISBN.

Patents

- 34 of which 7 as first author, among which the most important are the following - Patent no. 107996/1992 „Tonic drink ANGELICA” - Lazurca Dumitru, Marculescu Angela, Patent no. 92379-1987 "Volatile camphor oil" Marculescu Angela et al. Patent no. 92380-1987 „Anti-influenza ointment” Marculescu Angela et al., Patent no. 91567-1987 „Process for obtaining an essential oil from Ch. Balsamita L” Marculescu Angela et al.

Research projects (extract)

- Member of UNITBV for the International FP7 project (PlantLIBRA -KBBE-2009 - 245199);
- CNCSIS project director CODE 749/2004 Research in order to obtain biologically active plant extracts through modern technologies in order to increase the quality and safety of food at the “Lucian Blaga” University of Sibiu completed 2007;
- Project manager of Romanian Society of Ethnopharmacology nr. 133 / 2006-2008 CEEC Module III - PROPLANT Promotion of Romanian scientific performances in the field of production and capitalization of medicinal, aromatic and tinctorial plants Project director INMA Bucharest;
- Member of the research team from UNITBV- MEC project -partnerships- no.52-108 / 2008-2012 Advanced integrative processing of accessory forest products BIOFOREPRO - ICAS Project Director Bucharest.