

PERSONAL INFORMATION

Ladislav Kokoska

 K Horomericum 1185/57, 165 00, Prague 6-Suchdol, Czech Republic

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 kokoska@ftz.czu.cz

Sex Male | Date of birth 30/05/1971 | Nationality Czech

WORK EXPERIENCE

Since 2013

Full Professor

Department of Crop Sciences and Agroforestry, Faculty of Tropical AgriSciences, Czech University of Life Sciences Prague, Kamycka 129, 165 21 Prague 6-Suchdol, Czech Republic (<http://www.ftz.czu.cz/en/>)

- Teaching: Economic botany (Tropical Ethnobotany), Special crops (Secondary Metabolites-Bearing Crops).
- Research and development: head of Laboratory of Ethnobotany and Ethnopharmacology (<https://laborator-lee.webnode.cz/>), topics: biologically active natural products, phytochemistry, food chemistry.

Higher education

2007-2013

Associate Professor

Department of Crop Sciences and Agroforestry, Institute of Tropics and Subtropics, Czech University of Life Sciences Prague, Kamycka 129, 165 21 Prague 6-Suchdol, Czech Republic

- Teaching: Economic botany (Tropical Ethnobotany), Special crops (Secondary Metabolites-Bearing Crops).
- Research and development: biologically active natural products, phytochemistry, food chemistry, ethnopharmacology, ethnobotany.

Higher education

2000-2007

Professor Assistant

Department of Crop Sciences and Agroforestry, Institute of Tropics and Subtropics, Czech University of Agriculture Prague, Kamycka 129, 165 21 Prague 6-Suchdol, Czech Republic

- Teaching: Spices, aromatic and medicinal plants, Stimulants and technical crops.
- Research and development: biological effects of plant secondary metabolites.

Higher education

1994-2000

Technician

Department of Tropical and Subtropical Crops, Institute of Tropical and Subtropical Agriculture, Czech University of Agriculture Prague, Kamycka 129, 165 21 Prague 6-Suchdol, Czech Republic

- Technical support of research and development: selection of genetic material, optimization of cultivation technologies, chemistry and biological activity of medicinal plants.

Higher education

EDUCATION AND TRAINING

2012

prof. in Agricultural Chemistry

ISCED 6

Faculty of Agrobiolgy, Food and Natural Resources, Czech University of Life Sciences Prague, Czech Republic

- Title of the lecture: Concept of scientific and educational work in the field of agricultural chemistry with focus on biologically active compounds of tropical and subtropical crops.

- 2006 **doc. (habilitation) in Agricultural Chemistry** ISCED 6
Faculty of Agrobiology, Food and Natural Resources, Czech University of Life Sciences Prague, Czech Republic
▪ Thesis title: Chemistry and biological activity of some *Nigella* species.
- 1995-1999 **Ph.D. in Tropical and Subtropical Agriculture** ISCED 6
Institute of Tropical and Subtropical Agriculture, Czech University of Agriculture Prague, Czech Republic
▪ Thesis title: Antimicrobial activities of selected medicinal plants of tropical and subtropical origin.
- 1993-1995 **Diploma in Tropical and Subtropical Crop Production** ISCED 5
Institute of Tropical and Subtropical Agriculture, Czech University of Agriculture Prague, Czech Republic
▪ Specialisation: crop production in tropics and subtropics.
- 1989-1993 **Ing. (equivalent MSc.) in Crop Production** ISCED 5
Faculty of Agronomy, Czech University of Agriculture Prague, Czech Republic
▪ Thesis title: Evaluation of crop rotation on production effectiveness of certain farms in Czech Republic.

LANGUAGE SKILLS

Mother tongue(s) Czech

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Russian	B2	B2	B1	B1	A2
Spanish	A1	A1	A1	A1	A1

Research and teaching management

Accreditation guarantee

Since 2014: the chair of committee and guarantee of accreditation carrying out procedures for conferring *venium docendi* (habilitation) and the appointment of professors

Since 2012: the main guarantee of accreditation process for all bachelor, master and doctoral study programs of Faculty of Tropical AgriSciences.

Scientific boards

Since 2014: Scientific Board of the Czech University of Life Sciences Prague

Since 2009: Scientific Board of the Faculty of Tropical AgriSciences of the Czech University of Life Sciences Prague

2008-2018: Scientific Board of the Faculty of Agrobiology, Food and Natural Resources of the Czech University of Life Sciences Prague.

Doctoral studies boards

Since 2022: Doctoral studies board „Life Sciences”, member (Faculty of Agrobiology, Food and Natural Resources of the Czech University of Life Sciences Prague)

Since 2018: Doctoral studies board „Pharmacognosy and Nutraceuticals”, member (Faculty of Pharmacy in Hradec Kralove of the Charles University in Prague).

2016-2022: Doctoral studies board „Tropical Agrobiology and Bioresource Management”, head/member (Faculty of Tropical AgriSciences of the Czech University of Life Sciences Prague)

2015-2018: Doctoral studies board „Pharmacognosy and toxicology of natural compounds”, member (Faculty of Pharmacy in Hradec Kralove of the Charles University in Prague).

2010-2021: Doctoral studies board „Agricultural chemistry”, member (Faculty of Agrobiology, Food and Natural Resources of the Czech University of Life Sciences Prague)

Sciences Prague).

Since 2010: Doctoral studies board „Agriculture of tropics and subtropics“, member (Institute of Tropical and Subtropical Agriculture of the Czech University of Agriculture Prague)

International boards of examiners

Kembelo P. K. Ethnobotanical study and characterization of medicinal plants used by populations of Kisantu and Mbanza-Ngungu territories, Kongo-Central Province (DR Congo). Doctoral dissertation defence (2024), Ghent University, Ghent, Belgium (supervisors/promoters: Prof. Patrick Van Damme and Prof. Luc Pieters).

Merinas Amo M.T. Role of beer in the modulation of degenerative processes. In vivo and in vitro integrative studies of the DNA protective activity, survival increase, antiproliferative potential and modulation of genetic methylation status. Doctoral dissertation defence (2017), University of Cordoba, Cordoba, Spain (supervisor: Prof. Ángeles Alonso Moraga).

Vanhove W. The agronomy and economy of illicit indoor cannabis cultivation. Doctoral dissertation defence (2014), Ghent University, Ghent, Belgium (supervisor/promotor: Prof. Patrick Van Damme).

Supervision of students

Supervisor of 34 bachelor, 43 master and 20 doctoral students

Graduated doctoral students

Osei-Owusu H. (2024) Selective combinatory effect of antibiotics with phytochemicals and synthetic analogues of plant-derived compounds against diarrhoea-causing and beneficial intestinal bacteria. 112 p.

Chaure A. (2024) Antimicrobial activity and chemical composition of essential oils and extracts from Indian medicinal plants. 131 p.

Vihanova K. (2024) Chemical composition and antimicrobial activity of essential oils and supercritical carbon dioxide extracts of Asian spices against food pathogens in liquid and vapor phase. 133 p.

Kudera T. (2024) Effect of plant-derived extracts and compounds on human intestinal bacteria and cells *in vitro*. 130 p.

Antih J. (2024) Chemical composition and in vitro antibacterial effects of vapours of essential oils from plants recommended by the European Medicines Agency against respiratory infections, 125 p.

Strakova M. (2022) Evaluation of in vitro growth-inhibitory interactions between essential oils and their volatile compounds against *Staphylococcus aureus* in vapour phase, 139 p.

Zakova T. (2019) Anti-staphylococcal effect of plant-derived stilbenes, 67 p.

Hummelova J. (2018) Anti-inflammatory and antimicrobial activity of isoflavonoids, 72 p.

Houdkova M. (2018) Vapours of essential oils and their constituents as in vitro inhibitors of pneumonia causing microorganisms, 109 p.

Romulo A. (2018) Antimicrobial effect of medicinal plants used in traditional Indonesian medicine, 89.

Tauchen J. (2016) Assessment of in vitro antioxidant and anti-proliferative properties of medicinal and edible plants, 154 p.

Pilna J. (2015) Antimicrobial activity of extracts from GRAS plant species against oral pathogenic microorganisms, 125 p.

Rondevaldova J. (2014) Evaluation of plant quinones for in vitro antimicrobial synergistic effect, 71 p.

Novakova J. (2014) Plant-derived compounds as antimicrobial agents with lowered harmful effect on human intestinal microbiota, 108 p.

Nguon S. (2014) Antimicrobial effect of anti-inflammatory drug diacetylrhein. 103 p.

Pastorkova E. (2014) Natural agents with antimicrobial properties for improvement of food stability and safety. 107 p.

Leuner O. (2012) Tropical and subtropical Leguminosae as a source of isoflavonoids. 111 p.

Novy P. (2012) Evaluation of plant-derived compounds for their in vitro antimicrobial synergistic effect. 98 p.

Knotek K (2012) The aspects of herbal product use by adults in Czech Republic. 134 p.

Halamova K. (2011) Antimicrobial activity of selected species of family Ranunculaceae. 106 p.

Experience in peer review, evaluation, monitoring, and quality assurance

Committees of grant agencies

2014-2015: Grant Agency of the Czech University of Life Sciences Prague

2008-2009: The Czech Science Foundation, Member of Committee for Agricultural Sciences

Evaluation of research projects

2019: Horizon 2020, Work Programme 2018-2020: Food security, sustainable agriculture and forestry, marine, maritime and inland water research and the bioeconomy.

Since 2017: European Science Foundation

Since 2017: International Foundation for Science

2013: FP7 Cooperation Work Programme: Food, Agriculture and Fisheries, and Biotechnologies

2012-2012: Operational Programme 'Research and Development for Innovations' (Priority 4: Infrastructure for University Education Related to Research)

Since 2011: The Ministry of Education, Youth and Sports of the Czech Republic, Programme KONTAKT II

Since 2011: Technology Agency of the Czech Republic

Since 2010: National Agency for Agricultural Research

2010- 2021: Grant Agency of the University of Veterinary and Pharmaceutical Sciences Brno

Since 2009: South African Medical Research Council

2009-2009: Operational Programme 'Research and Development for Innovations' (Priority 2: Regional R&D Centres)

2006-2008: Grant Agency of the Academy of Sciences of the Czech Republic

Since 2006: Czech Science Foundation

Since 2004: The Ministry of Education, Youth and Sports of the Czech Republic, Programme COST.CZ

Since 2004: Grant Agency of the Charles University in Prague

Since 2004: Grant Agency of the Czech University of Life Sciences Prague

Other expert activities

2020: Evaluation of Molecules Tu Youyou (winner of the 2015 Nobel Prize in Physiology or Medicine) Award applicants

2018: Evaluation of selected results of research, development and innovation within the Czech Republic's national annual evaluation exercise according to methodology M17+, reviewer

Since 2015: Evaluation of the research and professional activities of the Institutes of the Czech Academy of Sciences for the period of 2010–2014, reviewer

Editorial boards of journals

Since 2022: [Frontiers in Pharmacology](#), Section Ethnopharmacology, Associate Editor

Since 2019: [Molecules](#), Section Natural Products Chemistry, Board Member

Since 2017: [Journal of Advanced Research](#), Section Agriculture, Editorial Advisory Board Member

Since 2017: [Journal of South Pacific Agriculture](#), Board Member

2012-2019: [Anti-Inflammatory & Anti-Allergy Agents in Medicinal Chemistry](#), Board Member

Peer review of publications

Reviewer of papers for more than 30 scientific journals (e.g. Animal Feed Science and Technology, Applied and Environmental Microbiology, BMC Complementary and Alternative Medicine, Environmental Toxicology, Fitoterapia, Food and Chemical Toxicology, Food Chemistry, Food Research International, Frontiers in Microbiology, International Journal of Molecular Sciences, Journal of Agricultural and Food Chemistry, Journal of Antimicrobial Chemotherapy, Journal of Chromatography B, Journal of Ethnopharmacology, Journal of Hazardous Materials, Journal of Medicinal Food, Journal of Natural Products, Life Sciences, LWT - Food Science and Technology, Molecules, Natural Product Communications, Natural Product Research, Pharmaceutical Biology, Phytochemistry Reviews, Phytomedicine, Phytotherapy Research, Plant Foods for Human Nutrition, PLOS ONE, Scientific Reports).

Abroad work experience

2025: Erasmus Plus Programme, Faculty of Agriculture and Environment, Savannakhet University, Lao People's Democratic Republic, Visiting Professor, teaching and research focused on underutilised crops of Laos.

2024: Erasmus Plus Programme, Faculty of Sciences, Tshwane University of Technology, Republic of South Africa, Visiting Professor, teaching and research focused on South African underutilised crops and essential oil-bearing plants.

2023: Erasmus Plus Programme, College of Agriculture, Fisheries & Forestry, Fiji National University, Fiji, Visiting Professor, teaching and research focused on Fijian underutilised crops and medicinal plants.

2016: Erasmus Plus Programme, Faculty of Agro-Industry, Royal University of Agriculture, Cambodia, Visiting Professor, teaching and research focused on Cambodian underutilised crops and medicinal plants.

2016: Erasmus Programme, Montpellier SupAgro, France, Lecturer/Trainee, International week and study abroad fair workshop.

2015: School of Agriculture and Food Technology, Faculty of Business and Economy, The University of the South Pacific, Samoa, Adjunct Professor, teaching in frame of the course Field and Plantation Crops Production and research focused on Samoan underutilised crops and medicinal plants.

2014: Erasmus Programme, Faculty of Sciences, University of Córdoba, Spain; Lecturer, course Global Change: Natural Resources and Sustainability (MSc).

2006, 2007, 2008, 2010, 2011, 2012, 2013, 2014: Erasmus Programme, Department of Plant production, Faculty of Bioscience Engineering, Ghent University, Belgium; Lecturer, course Plant Production (MSc).

Conferences

Author or co-author of more than 200 contributions presented at international symposiums

Invited speaker

Kokoska L. Recent advances in antimicrobial susceptibility testing of plant-derived volatile agents in vapour phase. 100th Foundation Anniversary of the Visayas State University: Professional Lecture Series, 13.3.2024 (online).

Kokoska L. Natural products for the control of communicable diseases using one health approach. Natural Products – Emerging Opportunities. 18.-19.7.2023, Swansea (UK).

Kokoska L. Ethnobotanical and ethnopharmacological approach in discovery of new plant-derived products and materials: A Samoa case study. Biomaterials and Their Surfaces, 14. - 17.9.2021, Herbertov (Czech Republic).

Kokoska L. Broth microdilution volatilization assay: new quantitative method for evaluation of antimicrobial activity in vapour phase. 5th Molecules Webinar on Biological and Pharmacological Activity of Plant Natural Compounds, 8.4.2021 (online).

Kokoska L. Volatility of plant compounds opens the way to new methods of their assessment: A thymoquinone case study. 3rd International Symposium on Trends and Application of Bio-control and Monitoring Techniques for Sustainable Agriculture, 6.10.2016, Gwangju (South Korea).

Kokoska L. Chemistry and biological activity of essential oils of Ranunculaceae family. III Conferences Cycle of the Faculty of Sciences of the University of Cordoba. 13.5.2014, Cordoba (Spain).

Scientific committee member

11th Central European Congress on Food and Nutrition: Food, Technology and Nutrition for Healthy People in a Healthy Environment. Čatež ob Savi, Slovenia, 27-30.9.2022.

International Conference on Pharmaceutical Sciences, Dubai (United Arab Emirates), 21-23.1.2015.

4th Food Safety Congress, Istanbul (Turkey), 14-15.5.2013

3rd Food Safety Congress, Istanbul (Turkey), 3-4.5.2012

Project management and participation

Principal investigator, co-investigator or co-worker of 23 projects

2025-2028: Supporting the application potential and commercialization of a sealing lid for testing of volatile compounds. Proof-of-concept activities SIGMA at CULS Prague. Program: SIGMA, Technology Agency of the Czech Republic TQ11000051, principal investigator.

2023- 2027: Medicinal plants for animal health care: Translating tradition into modern veterinary medicine (MedPlants4Vet). COST Action, CA22109, management committee member.

2021-2022: Development of sealing lid for microtiter plates for testing of volatile agents. Proof-of-concept activities 2 at CULS Prague. Program: GAMA 2, Technology Agency of the Czech Republic TP01010050, principal investigator.

2019-2019: Equipment modernization of bioactive natural products laboratory at the Visayas State University, Philippines. Czech Development Agency, project no. 11-19PH02, project partner.

2016-2016: Promotion of neglected and underutilized indigenous crop species for food security and nutrition in Southeast Asia and EU (project no. IB-TUR-2014-020). SEA-EU-NET 2 - ASEAN-EU Cooperation in Science, Technology and Innovation: Cooperation to Jointly Tackle Societal Challenges, FP7-INCO - Specific Programme "Capacities": International co-operation, project partner.

2015-2018: Use of plant extracts as bio-antiparasitic agents in livestock. National Agency for Agriculture Research (NAAR), project no. QJ1510038, co-worker.

2014-2015, Interfaculty centre for advanced analysis of agricultural products. Operational programme research and development for innovation 4: Challenge 3.4 - Infrastructure for university education related to research, European Regional Development Fund & Ministry of Education, Youth and Sports (MEYS), project ED4.1.00/16.0350, coordinator.

2014-2014, Support of cooperation and synergy of interdisciplinary study at CULS Prague and ICT Prague focused on increased quality of study and competitive strength of graduates. MEYS, co-worker.

2013-2013: Support of interdisciplinary study of agricultural, chemical and biological courses at Czech University of Life Sciences Prague and Institute of Chemical Technology Prague. MEYS Project C26, co-worker.

2009-2012: Chemotaxonomy of isoflavonoids. Czech Science Foundation (CSF), Project no. 525/09/0994, co-investigator.

2008-2011: Synbiotics and plant extracts in human and animal nutrition. CSF, Project no. 525/08/H060, co-worker.

2008-2010: Determination of biological activity and chemical composition of selected tropical and subtropical Ranunculaceae species. CSF, Project no. 525/08/1179, principal investigator.

2007-2011: Support of healthy bee breeding and valuable production with release of natural antimicrobial and probiotic substances. NAAR, 72144, co-worker.

2006-2008: Revision of taxonomical distribution of isoflavonoids. CSF, Project no. 525/06/0864, co-investigator.

2005-2005: Essential oils from seeds of selected species of genus *Nigella* as a potential source of antimicrobial and food preservative compounds. Universities Development Fund (UDF), Project no.1084, co-investigator.

2003-2005: Isoflavonoids in the Myrtaceae and the Rutaceae families. CSF, Project no. 525/03/0352, co-investigator.

2003-2003: Determination of antibacterial activity of certain species of genus *Rhaponticum* Ludw. (UDF 1523), co-investigator.

2002-2005: Screening of antibacterial activity of selected species of genus *Rhaponticum* Ludw. (CSF 525/02/D107)

2002-2004: Screening of antibacterial and anti-inflammatory activity of selected species of genus *Nigella* L. (CSF 525/02/0257), principal investigator.

2002-2002: Screening of antibacterial activity of medicinal plant selected species from South East Asia (UDF 1084), co-investigator.

2001-2001: Equipment of laboratory of computer techniques and reconstruction of computer network (UDF 1355), principal investigator.

1999-2001: Optimization of cultivation technology, selection of genetic material and screening of secondary metabolites antimicrobial activity of select species of medicinal plants (CSF 521/99/D019), co-worker.

1997-2000: Optimization of cultivation technology, selection of genetic material, screening of secondary metabolites of adaptogenic plants. NAAR (EP 7227), co-worker.

Patents

Kokoska L., Houdkova M. Sealing microlid for testing volatile agents. Patent WO/2024/074871, filed 06 October 2022, issued 11 April 2024, available [online] at https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2024074871&_cid=P11-LVW2VE-31849-1.

Kokoska L., Urbanova K., Valterova I., Havlik J., Kloucek P. Process for preparing black caraway oil extract with increased content of thymoquinone. Patent CZ 305844 B6, filed 23 January 2015, issued 24 February 2016. available [online] at: <https://isdv.upv.gov.cz/webapp/resdb.pta.frm>.

Science movies

Title: Ethnobotany and human nutrition: A Samoa case study. Director: Semotan O. Writer: Kokoska L. Production: Czech University of Life Sciences Prague & Infograf (O. Semotan). 2016, Time: 25 min., available [online] at: <https://www.youtube.com/watch?v=DFmYv-UcjE&t=71s>.

Scientometric parameters

Sum of the Times Cited in Web of Science: 3,291, without self-citations 3,027, h-index 32

Scholars Rankings

Top Scholar (0.5%) by Expertise (Medicinal plants) according to ScholarGPS in 2022 (#112)

Research interests

Biologically active natural products, phytochemistry, food and agricultural chemistry, ethnobotany and ethnopharmacology.

Publications

Author or co-author of 1 monograph, 2 chapters in monographs, 128 scientific papers, and 16 works popularizing science (2 books and 14 articles).

Monographs

Kokoska L. Chemistry and Biological Activity of Nigella Genus: The Antimicrobial and Anti-inflammatory Effects of Seed Extracts, Essential Oils and Compounds of Six Nigella Species. LAP LAMBERT Academic Publishing, Saarbrücken, Germany, 2011, 90 p.

Chapters in monographs

Polesna L., Polesny Z., Lachmanova I., Clavo M. Z. **Kokoska L.** Ethnobotanical study of dye-yielding plants used in communities of Shipibo-Konibo Amerindians around Pucallpa city, Peru. In: (Rojas N. and Prieto R., Eds.) *Amazon Basin: Plant Life, Wildlife and Environment*, Nova Science Publishers, Hauppauge, USA, 2010, pp. 123-139.

Kokoska, L., Fernandez, E.C. Bolivian plant extracts: traditional medicine, Chapter 5. In: (Watson, R.R. and Preedy, V.R., Eds.) *The Encyclopedia of Herbal Medicine in Clinical Practice*. CAB International, Wallingford, United Kingdom, 2008, 40-45.

Papers in journals with impact factor

Okpala O.E., Rondevaldova J., Kokoska L. Anti-inflammatory drugs as potential antimicrobial agents: A review. *Frontiers in Pharmacology*, 2025, 16, 1557333.

Chaloupkova P., Ceacero F., Durand C., Onakuse S., Kokosková T., **Kokoska L.** How do you want your steak? Attitudes of European consumers towards 3D printed meat. *Food Quality and Preference*, 2025, 128: 105487.

Albarico G., Urbanova K., Houdkova M., Bande M., Tulin E., Kokoskova T., **Kokoska L.** Evaluation of chemical composition and anti-staphylococcal activity of essential oils from leaves of two indigenous plant species *Litsea leytensis* and *Piper philippinum*. *Plants*, 2024, 13 (24): 3555.

Heller C. D., Zahedifard F., Dorskocil I., Pamfil D., Zoltner M., **Kokoska L.**, Rondevaldova J. Traditional medicinal Ranunculaceae species from Romania and their in vitro antioxidant, anti-proliferative and antiparasitic potential. *International Journal of Molecular Sciences*, 2024, 25: 10987.

Rondevaldova J., Tauchen J., Mascellani A., Tulkova J., Magdalita P.M., Tulin E.E., **Kokoska L.** Antioxidant activity and total phenolic content of underutilized edible tree species of the Philippines. *Horticulturae*, 2024, 10: 1051,

Naseer A., Singh V.V., Sellamuthu G., Synek J., Mogilicherla K., **Kokoska L.**, Roy A. Insights into the detoxification of spruce monoterpenes by Eurasian spruce bark beetle. *International Journal of Molecular Sciences*, 2024, 25: 10209.

Okpala O. E., Rondevaldova J., Osei-Owusu H., Kudera T., Kokoskova T., **Kokoska L.** Susceptibility of *Staphylococcus aureus* to anti-inflammatory drugs with a focus on the combinatory effect of celecoxib with oxacillin *in vitro*. *Molecules*, 2024, 29: 3665.

Stas J., Houdkova M., Banout J., Duque-Dussan E., Roubik H., **Kokoska L.** Adaptation and validation of a modified broth microdilution method for screening the anti-yeast activity of plant phenolics in apple and orange juice models. *Life*, 2024, 14(8): 938.

Osei-Owusu, H., Rondevaldova, J.; Houdkova, M.; Kudera, T.; Needham T., Mascellani A., **Kokoska, L.** Evaluation of in vitro synergistic effects of tetracycline with alkaloid-related compounds against diarrhoeic bacteria. *International Journal of Molecular Sciences*, 2024, 25(11): 6038.

Malikova L., Malik M., Pavlik J., Ulman M., Pechouckova E., Skrivan M. **Kokoska L.** Tlustos P. Anti-staphylococcal activity of soilless cultivated cannabis across the whole vegetation cycle under various nutritional treatments in relation to cannabinoid content. *Scientific Reports*, 2024, 14(1) 4343.

Urbanova K., Romulo A., Houdkova M., Novy P., **Kokoska L.** Chemical composition and antistaphylococcal activity of essential oil of *Curcuma mangga* rhizome from Indonesia. *Separations*, 2024, 11: 49.

Vihanova K., Urbanova K., Nguon S., **Kokoska L.** Chemical composition of essential oils and supercritical carbon dioxide extracts from *Amomum kravanh*, *Citrus hystrix* and *Piper nigrum* 'Kampot'. *Molecules*, 2023, 28(23), 7748.

Verner V., Kosova M., Chaloupkova P., Nguon S., Van Damme P., **Kokoska L.** Tourists' preferences for traditional food products as indicators of the market potential underutilised species in Cambodia. *Agriculture*, 2023, 13(8): 1599.

Chaloupkova P., Petryl M., Durand C., Nikolaou C. K., Mangione G., **Kokoska L.** Assessment of the COVID-19 virus outbreak on dietary patterns, physical activity, and lifestyle behaviours: a survey among adult European citizens. *British Food Journal*, 2023, 125(10): 3698-3716.

Chaure A., Houdkova M., Antih J., Urbanova K., Dorskocil I., Lal Naik M., Singh Patel K., **Kokoska L.** Validation of broth microdilution volatilization method for testing of essential oils in liquid and vapor phase: Chemical composition, cytotoxicity and antibacterial effect of Indian medicinal plants against pneumonia-causing pathogens. *Molecules*, 2023, 28: 4625.

Horackova J., Zans M.E.C., **Kokoska L.**, Sulaiman N., Peralta, Z.M.C., Bortl L., Polesny Z. Ethnobotanical inventory of medicinal plants used by Cashinahua (Huni Kuin) herbalists in Purus Province, Peruvian Amazon. *Journal of Ethnobiology and Ethnomedicine*, 2023, 19(1): 16.

Rondevaldova J., Quiao MA, Drabek O., Dajcl J., Dela Pena-Galanida GD, Leopardas VE. **Kokoska L.** Mineral composition of seaweeds and seagrasses of the Philippines. *Phycologia*, 2023, 62(3): 217-224.

Rondevaldova J., Novy P., Tauchen J., Drabek O., Kotikova Z., Dajcl J., Mascellani A., Chrun R., Nguon S., **Kokoska L.** Determination of antioxidants, minerals and vitamins in Cambodian underutilized fruits and vegetables. *Journal of Food Measurement and Characterization*, 2023, 17: 716–731.

Osei-Owusu H., Kudera T., Strakova M., Rondevaldova J., Skrivanova E., Novy P., **Kokoska L.** In vitro selective combinatory effect of ciprofloxacin with nitroxoline, sanguinarine and zinc pyrrithione against diarrhea-causing and gut beneficial bacteria. *Microbiology Spectrum*, 2022, 10(5): e01063-22.

Promgool T., Kanokmedhakul K., Leewijit T., Song J., Soyong K., Yahuafai J., Kudera T., **Kokoska L.**, Kanokmedhakul S. Cytotoxic and antibacterial depsidones from the endophytic fungus *Chaetomium brasiliense* isolated from Thai rice. *Natural Product Research*, 2022, 36 (18): 4605-4613.

- Mala L., Lalouckova K., Skrivanova E., Houdkova M., Strakova M., **Kokoska L.** In vitro growth-inhibitory synergistic effect of zinc pyrithione in combination with gentamicin against bacterial skin pathogens of livestock. *Antibiotics*, 2022, 11, 960.
- Kudera T., Fiserova B., Korytkova M., Duskocil I., Salmonova H., Tulin E.E., Nguon S., Bande M.M., **Kokoska L.** In vitro selective antibacterial and antiproliferative effects of ethanol extracts from Cambodian and Philippine plants used in folk medicine for diarrhea treatment. *Frontiers in Pharmacology*, 2021, 12, 746808.
- Antih J., Houdkova M., Urbanova K., **Kokoska L.** Antibacterial activity of *Thymus vulgaris* L. essential oil vapours and their GC/MS analysis using solid-phase microextraction and syringe headspace sampling techniques. *Molecules* 2021, 26, 6553.
- Houdkova M., Chauré A., Duskocil I., Havlik J., **Kokoska L.** New broth microdilution volatilization method for antibacterial susceptibility testing of volatile agents and evaluation of their toxicity using modified MTT assay *in vitro*. *Molecules* 2021, 26, 4179.
- Vihanova K., Houdkova M., Promgool T., Urbanova K., Kanokmedhakul S., **Kokoska L.** In vitro growth-inhibitory effect of essential oils and supercritical carbon dioxide extracts from *Cinnamomum* spp. barks and fruits against food bacterial pathogens in liquid and vapour phase. *Journal of Food Safety* 2021, 41(4): e12900.
- Netopilova M., Houdkova M., Urbanova K., Rondevaldova J., **Kokoska L.** Validation of qualitative broth volatilization checkerboard method for testing of essential oils: dual-column GC–FID/MS analysis and *in vitro* combinatory antimicrobial effect of *Origanum vulgare* and *Thymus vulgaris* against *Staphylococcus aureus* in liquid and vapor phases *Plants* 2021, 10, 393.
- Houdkova M., Urbanova K., Duskocil I., Wong Soon J., Foliga T., Novy P., **Kokoska L.** Anti-staphylococcal activity, cytotoxicity, and chemical composition of hexane extracts from arils and seeds of two Samoan *Myristica* spp. *South African Journal of Botany* 2021, 139: 1-5.
- Lalouckova K., Skrivanova E., Rondevaldova J., Frankova A., Soukup J., **Kokoska L.** In vitro antagonistic inhibitory effects of palm seed crude oils and their main constituent, lauric acid, with oxacillin in *Staphylococcus aureus*. *Scientific Reports* 2021, 11, 177.
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