

C O N T E N T

1.THE MELLIFEROUS BASE IN THE CISNĂDIOARA AREA, SIBIU COUNTY, ROMANIA AND ITS IMPORTANCE IN HONEY PRODUCTION

Iuliana ANTONIE..... 13

2.UTILIZATION OF PULSE SPRINKLER TECHNIQUE FOR FLAX FIBER EXTRACTION

Tarek Mahmoud ATAFY, Mohamed Ali EBIED..... 19

3.PANGIUM SP. LEAF EXTRACT AS BIOPESTICIDE ON *BRASSICA OLERACEA* PLANT IN NORTH SULAWESI PROVINCE, INDONESIA

Eva L. BAIDENG, Regina R. BUTARBUTAR, Hanry J. LENGKONG,
Rooije R.H. RUMENDE, Lady C.CH.E. LENGKEY,
Hendronoto A.W. LENGKEY..... 27

4.STUDY ON VEGETATIVE PROPAGATION OF SOME SAINTPAULIA GENOTYPES

Maria BĂLA, Florin SALA..... 35

5.WHEN WILL THE PORK SECTOR CRISIS END IN ROMANIA?

Silviu BECIU, Georgiana Armenița ARGHIROIU,
Maria BOBEICĂ (COLPOȘ)..... 43

6.CONSIDERATIONS REGARDING THE DEVELOPMENT OF A SPECIFIC SPECIMEN FOR THE ANALYSIS OF COSTS IN AGRICULTURE

Dan BODEȘCU, Gavril ȘTEFAN, Dan CAZACU, Alexandru Sorin TUDORAN,
Adriana MĂGUREANU, Oana COCA..... 49

7.THE INFLUENCE OF ORANGE JUICE ON MITOSIS AND IN VITRO GROWTH TO *HIBISCUS ESCULENTUS*

Elena BONCIU, Recep LIMAN, İbrahim Hakki CIGERCI..... 59

8.GENETIC BIOENGINEERING IN AGRICULTURE - A MODEL SYSTEM FOR STUDY OF THE MECHANISM OF PROGRAMMED CELL DEATH

Elena BONCIU, Recep LIMAN, İbrahim Hakki CIGERCI..... 65

9.EVOLUTION AND GLOBAL DISTRIBUTION OF GENETICALLY MODIFIED SOYBEAN AREA IN THE PERIOD 2014-2018

Dorina BONEA 71

10.METHODOLOGY FOR ASSESSING THE COMPETITIVENESS OF AGRICULTURAL ENTERPRISES

Petar BORISOV, Teodora STOEVA, Violeta DIRIMANOVA..... 81

11.COMPARATIVE STUDY ON THE DYNAMICS OF SURFACES CULTIVATED IN CONVENTIONAL AND ORGANIC SYSTEM, IN CROPS OF WHEAT, CORN, BARLEY AND SUNFLOWER

**Mariana BURCEA, Nicoleta OLTENACU,
Emilia Brîndușa SÂNDULESCU..... 89**

12.MACRO ECONOMIC VARIABLES AND NIGERIA AGRICULTURAL TRADE FLOWS: A GRAVITY MODEL ANALYSIS APPROACH

Ahmed Olugbenga BUSARI, Adetunji Lawrence KEHINDE..... 95

13.ANALYSIS OF THE INDICATORS CHARACTERIZING THE ACTIVITY OF RURAL TOURISM AND AGRITOURISM IN VÂLCEA COUNTY FROM THE PERSPECTIVE OF THE TOTAL QUALITY

Jenica CĂLINA, Aurel CĂLINA..... 101

14.STUDY ON THE DEVELOPMENT OF A GIS FOR IMPROVING THE MANAGEMENT OF WATER NETWORK FOR AN AGRICULTURAL COMPANY

Jenica CĂLINA, Aurel CĂLINA..... 111

15.RESEARCH ON ATTITUDE AND THE BEHAVIOR OF THE ROMANIAN YOUNG GENERATION IN RELATION TO THE PURCHASE AND CONSUMPTION OF ORGANIC PRODUCTS

Mirela CĂRĂTUȘ STANCIU, Agatha POPESCU..... 125

16.ABSORPTION OF FUNDS ALLOCATED BY SUB-MEASURE 6.1, NATIONAL RURAL DEVELOPMENT PROGRAMME 2014-2020, IN ROMANIA

Irina-Adriana CHIURCIU, Mihai-IOAN VĂRUȚOIU..... 133

17.ECONOMIC EFFECT OF FERTILIZING WITH LUMBREX AND LUMBRICAL BIOPRODUCTS ON BIRD'S FOOT TREFOIL GRASSLAND

Katerina CHURKOVA..... 143

18.USE OF DRONE FOR MONITORING AND PRODUCTION ESTIMATING IN AGRICULTURAL CROPS; CASE STUDY IN WHEAT

Cristian CONSTANTINESCU, Florin SALA..... 151

**19.BEHAVIOUR OF SOME OAT LINES TO THE ATTACK OF THE FUNGUS
BLUMERIA GRAMINIS (D. C.) F. SP. *AVENAE* EM. MARCHAL**

**Otilia COTUNA, Mirela PARASCHIVU, Andreea BULAI,
Ioan TOMA, Veronica SĂRĂȚEANU,
Nicolae Marinel HORABLAGA, Ciprian BUZNA..... 161**

**20.QUALITY MANAGEMENT OF THE WHEAT BLENDING, IN ORDER TO
IMPROVE THE TECHNOLOGICAL PROPERTIES OF THE FLOURS
OBTAINED IN THE MILLING PROCESS OF THE ROMANIAN WHEAT
VARIETIES**

Cristina-Anca DANCIU..... 171

**21.MODEL FOR MONITORING AND PRODUCTION PREDICTING IN
SUNFLOWER CROP BASED ON SATELLITE IMAGES**

Daniel DICU, Radu BERTICI, Mihai HERBEI, Florin SALA..... 175

**22.DEMOGRAPHIC ASPECTS IN ROMANIA POINTING OUT THE PROBLEMS
OF THE RURAL POPULATION**

Lucica DOBRE, Dorina Nicoleta MOCUȚA 183

**23.THE EFFECT OF GLOBALIZATION ON ROMANIAN TOURISM, DURING
THE COVID-19 CRISIS**

**Daniela Marilena DOROBANTU, Alina MARCUTA, Cristiana TINDECHE,
Maria STOIAN, Ioana NICULAE, Liviu MARCUTA..... 193**

**24.STUDY ON CONSUMERS PERCEPTION AND KNOWLEDGE ON VEGETAL
ORGANIC BY-PRODUCTS USED AS FUNCTIONAL INGREDIENTS**

**Mihaela Cristina DRAGHICI, Amalia Carmen MITELUT,
Elisabeta Elena POPA, Paul Alexandru POPESCU, Vlad Ioan POPA,
Andreea BARBU, Mona Elena POPA..... 203**

**25.MOTIVES OF ECONOMIC DECISIONS OF LITHUANIAN AGRICULTURAL
ENTITIES TO DEEPEN FARM SPECIALISATION**

Jolanta DROŹDZ, Vlada VITUNSKIENĖ..... 211

**26.ANALYSIS OF THE SOCIO-DEMOGRAPHIC STATE OF RURAL AREAS IN
THE SYSTEM OF THEIR SUSTAINABLE DEVELOPMENT: A CASE STUDY OF
UKRAINE**

**Mykola DZIAMULYCH, Serhii PETRUKHA, Valentyna YAKUBIV,
Oksana ZHUK, Oksana MAIBORODA, Sofiia TESLIUK,
Andrii KOLOSOK..... 223**

27.ENVIRONMENTAL MEASUREMENTS IN LAYING HENS HOUSES

**Tarek FOUDA, Ahmed AWNY, Mohamed DARWISH,
Nourhan KASSAB..... 235**

**28.MONITORING CHANGES IN COWPEA COLOR AND STORAGE
CONDITIONS**

**Tarek FOUDA, Mohamed EL-KHOLY, Adel ELMETWALLI, Dalia SLAEH,
Shimaa SALAH..... 243**

29.SAFE STORAGE AND PREVENT SPOILAGE OF FLAX SEEDS

**Tarek FOUDA, Mohamed EL-KHOLY, Adel ELMETWALLI,
Mohamed DARWESH, Amal EL ZANATY, Shimaa SALAH..... 253**

30.CARBON FOOTPRINT ESTIMATION IN POULTRY PRODUCTION FARMS

**Tarek FOUDA, Ahmed AWNY, Mohamed DARWISH, Nourhan KASSAB,
Mohamed GHONAME..... 263**

**31.ANALYSIS OF THE VEGETABLE SECTOR IN GIURGIU COUNTY,
ROMANIA**

Andreea-Daniela GIUCĂ..... 271

**32.THE PLACE AND ROLE OF THE MANAGING AUTHORITY FOR
OPERATIONAL PROGRAM FOR FISHERIES AND MARITIME AFFAIRS (AM-
POPAM) IN THE ABSORPTION OF EUROPEAN FUNDS FOR THE PERIOD
2014-2020**

Sebastian GUT..... 279

**33.PASTORAL, IMPERATIVE ARRANGEMENT OF THE SUSTAINABILITY OF
PRACTICAL ECOSYSTEMS**

Pompilica IAGĂRU, Vasile TUDOSESCU..... 291

**34.MANAGEMENT OF THE ACTIVITY OF LEASE AND CONCESSION OF
LANDS WITH AGRICULTURAL DESTINATION BELONGING TO THE PUBLIC
AND PRIVATE DOMAIN OF THE STATE WITHIN SIBIU COUNTY, ROMANIA**

Romulus IAGĂRU, Iuliana Carmen BLĂNARU..... 297

**35.RATIONALE OF CLIMATE RISK MANAGEMENT MECHANISMS IN THE
REGIONS OF THE RUSSIAN FEDERATION WITH CROP SPECIALIZATION**

**Marina Yevgenievna KADOMTSEVA,
Andrei Vladimirovich BOGDANOV..... 305**

36.WHO BENEFITS MORE FROM DIRECT MARKETING SCHEMES? THE CASE OF ARABICA COFFEE COOPERATIVE AND ITS FARMERS MEMBER IN RURAL INDONESIA

Boris KAIDO, Katsuhito FUYUKI..... 317

37.CORRELATION ANALYSIS OF PROFITABILITY IN THE MANAGEMENT SYSTEM OF AGRICULTURAL ENTERPRISES ON THE BASIS OF SUSTAINABLE DEVELOPMENT

**Liubov KOVALSKA, Svitlana ROGACH, Nina PETRUKHA,
Nataliya MAMONTOVA, Oksana YURCHENKO, Svitlana DEREVIANKO,
Olena KOLUMBET..... 327**

38.VARIATION OF SOME PRODUCTION PARAMETERS IN WHEAT IN RELATION TO FOLIAR BIOSTIMULATOR, CULTIVARS AND CROPS SITE IN ROMANIA

Gabriela MACRA, Florin SALA..... 337

39.INFLUENCE OF BASIC TILLAGE SYSTEMS AND FERTILIZATION ON PRODUCTIVITY AND ECONOMIC EFFICIENCY OF IRRIGATED CROP ROTATION

**Mykola MALIARCHUK, Anastasiya MALIARCHUK, Anatolii TOMNYTSKYI,
Volodymyr MALIARCHUK, Pavlo LYKHOVYD..... 345**

40.ECONOMIC-FINANCIAL ASPECTS OF THE ACTIVITY AT SC POTELU AGRICOM L.L.C., POTELU VILLAGE, OLT COUNTY, ROMANIA (2017-2019)

Dragoş Mihai MEDELETE, Radu Lucian PÂNZARU..... 355

41.ANTIOXIDANT ACTIYITY OF LEAF AND FRUIT EXTRACTS FROM *RUBUS FRUTICOSUS*, *RUBUS IDAEUS* AND *RUBUS LOGANOBACCUS* GROWING IN THE CONDITIONS OF THE REPUBLIC OF MOLDOVA

Alexandru MÎRZA..... 363

42.RESEARCH ON THE QUALITY OF HONEY AND POLLEN OBTAINED DURING THE BEEKEEP FROM BOIAN VILLAGE SIBIU COUNTY, ROMANIA, IN VIEW OF THE ECOLOGICAL CERTIFICATION OF BEEKEEPING PRODUCTS

George MOISE 373

43.MANAGEMENT AND VALORIZATION OF AGRICULTURAL WASTES FROM WINE PRODUCTION USING STATISTICAL ANALYSIS TO OBTAIN NOVEL FOOD

Gjore NAKOV, Zlatin ZLATEV, Iliana LAZOVA-BORISOVA, Jasmina LUKINAC..... 381

44.INTERCONNECTION AND INTERDEPENDENCE OF KEY ECONOMIC SECTORS - AGRICULTURE AND TOURISM IN THE CONDITIONS OF A PANDEMIC CRISIS

Marina NIKOLOVA, Pavlin PAVLOV..... 387

45.PROFITABILITY AND HINDRANCE OF GOAT PRODUCTION AMONG RURAL HOUSEHOLDS IN NIGERIA: PERSPECTIVES OF NIGER DELTA AREA

Peter Otunaruke EMAZIYE..... 397

46.SOME CONSIDERATIONS REGARDING MEAT CONSUMPTION IN ROMANIA (2014-2018)

Radu Lucian PÂNZARU, Dragoş Mihai MEDELETE 403

47.FEATURES IN REGIONAL DEVELOPMENT AND TOURIST POTENTIAL OF THE MOUNTAIN REGIONS AND AREAS IN BULGARIA

Kamen Dimitrov PETROV..... 409

48.THE INFLUENCE OF CLIMATIC CONDITIONS ON TOURISM IN SINAIA RESORT, PRAHOVA VALLEY, ROMANIA

Daniela-Mirela PLESOIANU, Agatha POPESCU..... 423

49.QUANTITATIVE AND QUALITATIVE ANALYSIS OF TRADITIONAL CHEESE PRODUCTION IN ROMANIA

Daniela POPA, Ioana TOMA, Maria Cristina STERIE..... 437

50.FARM STRUCTURE IN ANIMAL SECTOR OF ROMANIA

Agatha POPESCU, Mirela CĂRĂTUŞ STANCIU..... 445

51.CONCENTRATION OF TOURIST ARRIVALS IN TOURIST AND AGRITOURIST GUESTHOUSES IN THE COVID-19 PANDEMIC 2020 VERSUS 2019 IN ROMANIA

Agatha POPESCU, Daniela- Mirela PLESOIANU 459

52.THE USE OF CHEMICAL FERTILIZERS IN ROMANIA'S AGRICULTURE

Agatha POPESCU, Toma Adrian DINU, Elena STOIAN, Valentin ȘERBAN..... 469

53.PESTICIDES - A PROBLEM IN ROMANIA'S AGRICULTURE?

**Agatha POPESCU, Cristiana TINDECHE, Alina MĂRCUȚĂ,
Liviu MĂRCUȚĂ, Adelaida HONȚUȘ..... 477**

**54.IDENTIFICATION OF THE RELEVANT STAKEHOLDER GROUPS - THE
FIRST STEP TO THE STRATEGIC STAKEHOLDER MANAGEMENT IN
AGRICULTURAL HIGHER EDUCATION - A STUDY CASE IN THE REPUBLIC
OF MOLDOVA**

Veronica PRISACARU, Tatiana SEVCIUC..... 487

**55.AN ELECTRICAL ROTARY CAGE ATOMIZER FABRICATED FOR
SPRAYING ORCHARD**

**Elsaied SEHSAH, Tarek FOUDA, Mohamed DARWESH, Nada ELDALY,
Mayie AMER..... 495**

**56.SOCIO-ECONOMIC ANALYSIS OF RURAL TOURISM DEVELOPMENT:
CASE STUDY IN UKRAINE**

Zoriana SENETA, Ion DUBOVICH..... 503

**57.SUSTAINABLE DEVELOPMENT GOAL 2: ASSESSMENT OF NIGERIA'S
FOOD SECURITY SITUATION FROM 1960 – 2020**

Ufedo Monday SHAIBU..... 513

58.FAIR ALLOCATION OF COST ELEMENTS PER PRODUCT

Daniela SIMTION 519

59.ANALYSIS OF INDIRECT EXPENSES RATES

Daniela SIMTION 523

**60.STUDY ON THE DYNAMICS OF POTATO PRODUCTION AND
WORLDWIDE TRADING DURING THE PERIOD 2012-2019**

Elena SOARE, Irina-Adriana CHIURCIU..... 527

**61.RESEARCH ON SUGAR BEET PRODUCTION AND TRADE -WORLDWIDE
OVERVIEW**

Elena SOARE, Iuliana DOBRE, Livia DAVID..... 533

62.ASPECTS REGARDING THE IMPACT OF LOCAL ACTION GROUPS (LAG) FINANCING THROUGH LEADER, ON RURAL DEVELOPMENT OF THE ELIGIBLE TERRITORY IN ROMANIA

Luxita Georgiana STAIC, Marius VLADU..... 541

63.ANALYSIS OF ECONOMIC INDICATORS OF AGRICULTURAL HOLDINGS SPECIALIZED IN RAISING DAIRY COWS IN ROMANIA. CASE STUDIES

Cristina Maria STERIE, Rodica CHETROIU..... 549

64.CURRENT SITUATION OF ROMANIAN CERTIFIED PRODUCTS

Cristina Maria STERIE, Eduard Alexandru DUMITRU..... 555

65.THE IMPACT OF DIGITALIZATION ON COMPETITIVENESS OF BULGARIAN AGRICULTURE

Teodora STOEVA, Violeta DIRIMANOVA, Petar BORISOV..... 561

66.ASPECTS THAT CONTRIBUTED TO CHANGES IN THE PRICE OF AGRICULTURAL LAND IN ROMANIA AND OTHER COUNTRIES IN THE EUROPEAN UNION

Dalila Gabriela STOICA, Eduard Alexandru DUMITRU 565

67.PROFIT SENSITIVITY ANALYSIS IN AGRICULTURE BASED ON EFFECTS MEASUREMENT

Alexandru TCACI..... 571

68.THE ANALYSIS OF COST STRUCTURE AND THE IMPACT ON THE PROFITABILITY OF AGRICULTURAL PRODUCTS IN THE REPUBLIC OF MOLDOVA

Natalia TCACI, Alexandru TCACI, Ina DOMBROVSCHI..... 577

69.THE TECHNOLOGICAL ITINERARY, SYSTEM OF MACHINES FOR THE CULTIVATION OF JERUSALEM ARTICHOKE *HELIANTHUS TUBEROSUS* AND ITS USE AS FODDER AND ENERGY BIOMASS

Victor ȚÎȚEI, Mihai GADIBADI, Natalia CÎRLIG, Alexei ABABII,
Ana GUȚU..... 583

70.SOME AGROBIOLOGICAL PECULIARITIES AND POTENTIAL USES OF *GLYCYRRHIZA GLABRA L.* AND *ONOBRYCHIS ARENARIA* (KIT.) DC. IN THE REPUBLIC OF MOLDOVA

Victor ȚÎȚEI..... 593

71.IMPROVING THE QUALITY OF THE PRODUCT “GINGERBREAD”, A STUDY ON THE INFLUENCE OF RYE FLOUR ON THE PRODUCT’S PHYSICOCHEMICAL PROPERTIES

Anca TULBURE..... 599

72.QUALITY IMPROVEMENT FOR THE PRODUCT “GINGERBREAD”, IDENTIFICATION OF THE OPTIMUM NUMBER OF TEXTURE MEASUREMENTS AND COMPRESSION INTENSITY IN LABORATORY ANALYSIS

Anca TULBURE..... 605

73.GRAIN CORN PRODUCT YIELD AND GROSS VALUE DEPENDING ON THE HYBRIDS AND APPLICATION OF BIOPREPARATIONS IN THE IRRIGATED CONDITIONS

**Raisa VOZHEHOVA, Tetyana MARCHENKO, Olena PILIARSKA,
Yurii LAVRYNENKO, Nataliya HALCHENKO,
Pavlo LYKHOVYD..... 611**

74.POLICY FOR THE DEVELOPMENT OF CUSTOM VILLAGES INTO A DIGITAL-BASED TOURISM VILLAGE THAT CAN ADAPT TO THE NEW NORMAL ERA (CASE STUDY OF CUSTOM VILLAGES IN BALI, INDONESIA)

**Putu Yudy WIJAYA, Ni Nyoman Reni SUASIH, I Putu Sastra WIBAWA,
Kadek Oki SANJAYA, I Komang Tryana MERTAYASA..... 621**

75.MONITORING THE IMPACT OF INTENSIFICATION OF AGRICULTURAL LAND USE ON THE QUALITY OF SOILS OF UKRAINE

**Tetiana YASHCHUK, Olena KORCHYNSKA, Borys SYDORUK,
Halyna SYDORUK, Mariia HORUN 627**