

C O N T E N T

1.FACTORS INFLUENCING LIVELIHOOD DIVERSIFICATION AMONG FARMING HOUSEHOLDS IN EJIGBO LOCAL GOVERNMENT AREA OF OSUN STATE, NIGERIA

**Olaide AKINTUNDE, Francis AJAYI, Olubunmi BAMIWUYE,
Khadijat OLANREWAJU..... 15**

2.ECONOMETRIC ANALYSIS AND ASSESSMENT OF FACTORS AFFECTING THE EFFICIENCY OF AGRICULTURAL PRODUCTION

**Vahid AMRAHOV, Elmir MAHMUDOV, Sabit ALIYEV,
Sabina HAJIYEVA..... 23**

3.IMPACT OF PLANT SPACING ON THE GROWTH AND FRUIT YIELD OF WATERMELON VARIETIES IN SOUTH-WEST NIGERIA

**Rihanat Funsho ASAFA, Wasiu Babatunde AKANBI,
Abiola Elizabeth OJELEYE 35**

4.ASPECTS OF THE INFLUENCE OF PRICES ON CONSUMER BEHAVIOUR WHEN PURCHASING FOODSTUFFS: ANALYSIS OF CASES FROM SOFIA, BULGARIA

Borislav ATANASOV 43

5.STUDY OF THE ADAPTIVE CAPACITY OF GRAIN SORGHUM DEPENDING ON THE SOWING TIME IN THE STEPPE ZONE

**Alexander Vasilyevich BARANOVSKY, Elena Vitalievna IONOVA,
Olga Nikolaevna KURDYUKOVA, Vladimir Viktorovich KOVTUNOV,
Sergey Ivanovich KAPUSTIN, Andrey Sergeevich KAPUSTIN..... 49**

6.MODERN DIGITALIZATION TRENDS OF GEORGIA AND UKRAINE

Givi BEDIANASHVILI, Hanna ZHOSAN, Sergiy LAVRENKO..... 57

7.OPTIMIZATION OF SOIL POLLUTION MONITORING METHODS BY USE OF BIOLOGICAL TESTS

**Elena BONCIU, Elena ROȘCULETE, Cătălin Aurelian ROȘCULETE,
Aurel Liviu OLARU..... 75**

8.TRENDS IN THE EVOLUTION OF ORGANIC AGRICULTURE AT THE GLOBAL LEVEL - A BRIEF REVIEW

Elena BONCIU..... 81

9.THE YIELD OF A 11 YEARS OLD SASKATOON BERRY (*AMELANCHIER ALNIFOLIA* NUTT.) CULTURE FROM ARAD COUNTY, WESTERN ROMANIA

Ruben BUDĂU, Cristian Mihai ENESCU..... 87

10. DETERMINANTS OF COCOA EXPORT EARNINGS IN NIGERIA (1980-2019)

**Ahmed BUSARI, Olaide AKINTUNDE, Timothy AGBOOLA,
Lateef JIMOH..... 93**

11.STUDY ON THE CURRENT STAGE OF DEVELOPMENT, PLANNING AND PROMOTION OF RURAL TOURISM AND AGRITOURISM IN THE ETHNOGRAPHIC AREA MARAMUREȘ

Jenica CĂLINA, Aurel CĂLINA..... 101

12.STUDY ON THE INFLUENCE OF THE PANDEMIC ON THE INDICATORS CHARACTERIZING THE TRAFFIC AND QUALITY OF TOURIST SERVICES AT A BOARDING HOUSE IN DOLJ COUNTY

Jenica CĂLINA, Aurel CĂLINA..... 113

13.MODELING PROFITABILITY IN RICE FARMING UNDER PHILIPPINE RICE TARIFFICATION LAW: AN ECONOMETRIC APPROACH

Leomarich F. CASINILLO..... 123

14.DEVELOPMENT OF ORGANIC FARMING IN MOLDOVA: TENDENCIES AND CHALLENGES

Liliana CIMPOIEȘ, Diana COȘALÎC..... 131

15.ZOOSYST – COMPUTER SYSTEM DESTINATED FOR THE ANALYSIS OF THE PRODUCTION POTENTIAL OF RUMINANT SPECIES

Elena COFAS..... 137

16.WEB PLATFORM FOR THE PRESENTATION OF ACADEMIC FIELD TRIPS AND TRAINEESHIPS IN HIGHER EDUCATION - AGROTOURISM AND PUBLIC FOOD SPECIALIZATION

Elena COFAS, Florin Cristian CIOBĂNICĂ 149

17.FUNCTIONING OF LOCAL ACTION GROUPS – FINANCIAL ANALYSIS AND SIMPLIFICATION PROPOSALS

Monica Elena CRUNȚEANU, Gina FÎNTÎNERU..... 165

18.MODELING FARMERS' INVOLVEMENT IN THE PARTICIPATORY COCONUT PLANTING PROJECT OF THE PHILIPPINE COCONUT AUTHORITY

**Virgelio C. DARGANTES JR., Milagros C. BALES,
Leomarich F. CASINILLO..... 177**

19.ECONOMIC EFFICIENCY OF CORN GRAIN CULTIVATION WITH THE NEW TECHNOLOGIES OF TILLAGE AND IRRIGATION

**Nataliia DIDENKO, Sergiy LAVRENKO, Nataliia LAVRENKO,
Anastasiia SARDAK, Serhii DIDENKO, Ivan MRYNSKII..... 187**

20.THE DEMOGRAPHIC DEVELOPMENT OF RURAL LOCALITIES IN THE SOUTH MUNTENIA REGION-CASE STUDY- TWO COMMUNES IN CALARASI COUNTY, ROMANIA

**Eduard Alexandru DUMITRU, Cristina Maria STERIE, Luiza ZĂPUCIOIU,
Vili DRAGOMIR..... 195**

21.COMPARATIVE PERFORMANCE AND STABILITY OF SOME MAIZE HYBRIDS IN THE AGROCLIMATIC CONDITIONS OF CRAIOVA, DOLJ COUNTY, ROMANIA

Ioana Claudia DUNĂREANU, Dorina BONEA..... 203

22.COST BENEFITS ANALYSIS OF BROILER PRODUCTION IN DELTA STATE, NIGERIA: IMPLICATION FOR LIVELIHOOD SUSTAINABILITY

**Peter Otunaruke EMAZIYE, Oghenesuvwe OKPARA,
Oghenekome EMAZIYE..... 211**

23.A STUDY ON MICRO BUBBLES AERATION METHOD ON WATER TURBIDITY AT AQUACULTURE EARTHEN PONDS UNDER DIFFERENT OPERATIONAL PARAMETERS

**Tarek FOUDA, Abd-Elrahman ELRAYES,
Abd-Elhameed ELHANAFY 215**

24.DETERMINATION OF PHYSICAL PROPERTIES OF SOME SEEDS

**Tarek FOUDA, Abeer ABDELSALAM, Atef SWILAM,
Mohamed El DIDAMONY..... 223**

25.DRYING KINETICS OF SWEET POTATO SLICES WITH INFRARED AND AIR CONVECTION HEATING

**Tarek FOUDA, Mohamed EL-KHOLY, Summer SHAMALA,
Mohamed GHONAME, Shimaa SALAH..... 239**

26.THE EVOLUTION OF MAIZE CULTIVATED AREA AND PRODUCTION IN ROMANIA (2011-2021)

Ionel Alin GHIORGHE, Adrian TUREK-RAHOVEANU..... 255

27.RESEARCH ON ANIMAL PRODUCTION TRENDS IN 2014-2020 IN ROMANIA

**Andreea Daniela GIUCĂ, Ana URSU, Cristina Maria STERIE,
Dalila Gabriela STOICA, Laurențiu Ionuț PETRE..... 261**

28.RECOGNITION OF NATURAL CAPITAL IN FINANCIAL REPORTING IN THE CONTEXT OF THE SOCIO-ECONOMIC PARADIGM: PRACTICE OF THE REPUBLIC OF MOLDOVA AND INTERNATIONAL EXPERIENCE

Irina GOLOCHALOVA, Maria COJOCARU 269

29. TECHNICAL EFFICIENCY DETERMINANTS OF OECD COUNTRIES' AGRICULTURAL PRODUCTION - A STOCHASTIC FRONTIER ANALYSIS APPROACH

Saeid HAJIHASSANIASL 279

30.MODELS FOR EVALUATING THE DYNAMICS OF MAIZE CROP AND ESTIMATING PRODUCTION BASED ON SATELLITE IMAGES

Mihai Valentin HERBEI, Florin SALA..... 289

31.CURRENT SITUATION, PROBLEMS AND DIVERSIFICATION OF INSURANCE MODEL IN THE SPHERE OF CROP PRODUCTION IN AZERBAIJAN

Maharram HUSEYNOV, Elchin SALAHOV, Jafar JAFAROV..... 299

32.COSTING POSTHARVEST LOSSES IN SELECTED LEAFY VEGETABLE MARKETING IN LAGELU LOCAL GOVERNMENT AREA OF OYO STATE, NIGERIA

**Kaothar Modupe IDRIS-ADENIYI, Ahmed Olugbenga BUSARI,
Afusat Adunni ALABI, Abiola Elizabeth OJELEYE,
Kazeem Akorede ABIDEEN..... 313**

33.IMPACT OF FOLIAR ORGANIC FERTILIZING ON THE QUALITY OF FODDER FROM NATURAL MEADOW AND PASTURE GRASS STAND

**Minko ILIEV, Biser BOZHANSKI, Magdalena PETKOVA,
Tatyana BOZHANSKA..... 321**

34.THE USE OF SOCIAL NETWORKS IN THE PROMOTION AND EVALUATION OF RURAL CULTURAL ACTIVITIES

Marius Alin IONICĂ, Alexandru SIPICĂ, Elena TOMA,
Simona Ionela SIPICĂ (ALDEA)..... 329

35.THE USE OF LOCAL RAW MATERIALS FOR THE DEVELOPMENT OF HIGHER VALUE-ADDED CHAINS: THE LITHUANIAN CASE OF PEAS

Nelė JURKĖNAITĖ, Rasa MELNIKIENĖ..... 337

36.ECONOMIC ANALYSIS OF CUT FLOWER PRODUCTION (CARNATION, GERBERA AND LISIANTHUS) IN TURKEY: THE CASE OF ANTALYA PROVINCE

Bahri KARLI, Müberra SONGUR, Bahriye SİNEK,
Bektaş KADAKOĞLU..... 343

37.REALIZATION OF CROATIAN AGRICULTURAL POLICY GOALS: SELF-SUFFICIENCY AND AGRICULTURAL INCOME

Tihana KOVAČIČEK1, Mateja JEŽ ROGELJ, Ornella MIKUŠ, Tajana RADIĆ,
Ramona FRANIĆ, Magdalena ZRAKIĆ SUŠAC..... 351

38.THE EFFECTS OF NATURAL PESTICIDES USAGE AND NATURAL ENEMIES ON SEVERAL CORN VARIETIES AGAINST *SPODOPTERA FRUGIPERDA*

Lady C. Ch. E. LENGKEY, Eva L. BAIDENG, Maya M. LUDONG,
Johanis WOWOR..... 359

39.SOCIO-ECONOMIC SECURITY OF RURAL TERRITORIES AND AGRICULTURE: A CASE STUDY OF UKRAINE

Lyudmila LEVKOVSKA, Volodymyr SARIOGLO, Tetiana KOTENKO,
Oleg DOBRYANSKYI, Yuliia HOREMYKINA,
Olena DIDKIVSKA 371

40.THE ISSUES OF THE SUBSTANTIATION OF PEER AGRICULTURAL LAND PLOTS EXCHANGE IN UKRAINE

Mykola MALASHEVSKYI, Andrii TARNOPOLSKYI,
Olena MALASHEVSKA 383

41.THE IMPACT OF THE COVID-19 CRISIS ON THE BANKING SYSTEM IN ROMANIA

Alina MĂRCUȚĂ, Elena POPESCU (GORGON),
Liviu MĂRCUȚĂ..... 389

42.THE IMPORTANCE OF URBAN AND PERI-URBAN AGRICULTURE IN SUSTAINABLE DEVELOPMENT AND INCREASING FOOD SECURITY

Alina MĂRCUȚĂ, Agatha POPESCU, Cristiana TINDECHE, Răzvan PANAIT, Liviu MĂRCUȚĂ..... 397

43.STUDY ON THE IMPACT OF COVID-19 ON EXPERIENTIAL TOURISM AND TRANSFORMATIVE TOURISM

Liviu MĂRCUȚĂ, Mihaela Gratiela ONEA (STANCIU), Alina MĂRCUȚĂ..... 403

44.CHANGES IN THE BEHAVIOR OF VEGETABLE CONSUMERS IN BUCHAREST AND THE NEIGHBORING AREAS CAUSED BY THE COVID-19 CRISIS

Ancuța MARIN, Petruța TUREK-RAHOVEANU, Rozi BEREVOIANU, Vili DRAGOMIR..... 411

45.USING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IN SUPPORTING BUSINESS DECISIONS FOR STORING ENERGY IN GRAVITATIONAL FORM

Mihai MIHĂILESCU, Liviu MĂRCUȚĂ, Eduard CEAUȘOGLU..... 419

46.CORPORATE INSOLVENCIES EVOLUTION IN REPUBLIC OF MOLDOVA AND UKRAINE DURING 2013 – 2020 PERIOD

Neli MUNTEAN, Iulian MUNTEAN, Gabriela VALUȚA 431

47.ECOLOGICAL ISSUES OF ENSURING SUSTAINABLE DEVELOPMENT OF AGRICULTURE IN AZERBAIJAN

Ramina MUSTAFAYEVA, Yegana ABBASOVA, Ruhyya QAMBAROVA..... 439

48.THE INFLUENCE OF THE CASTRATION METHOD ON MEAT CUTS INDICATORS OF PIG CARCASSES

Oleksandr MYKHALKO, Mykola POVOD, Viktoriia SOKOLENKO, Serhii VERBELCHUK, Victor SHUPLYK, Nataliya SHCHERBATIUK, Volodymyr MELNYK, Liudmyla ZASUKHA..... 451

49.STUDY ON SOCIAL RESPONSIBILITY AND SUSTAINABLE DEVELOPMENT WITHIN AGRICULTURAL SMEs IN THE SOUTH-MUNTENIA REGION, ROMANIA

Rareș-Vladimir NIȚU, Marius VLADU 459

**50.ROLE PERCEPTION AND ROLE PERFORMANCE OF EXTENSION AGENTS
IN POST-HARVEST ACTIVITIES OF RICE IN SOUTHWESTERN, NIGERIA**

**Margaret Olayemi OYEDOKUN, Adedayo Olufemi AJAYI,
Michael FAMA KINWA..... 465**

**51.UTILIZATION OF GOOD AGRICULTURAL PRACTICES TECHNOLOGIES
AMONG TOMATO FARMERS IN OYO STATE, NIGERIA**

John OYETORO, Afusat ALABI, Lateef JIMOH 473

**52.METROFOOD-RI UNSTOPPABLE IN THE PURSUIT OF BECOMING A
FULLY OPERATIONAL RESEARCH INFRASTRUCTURE ADDRESSING KEY
CHALLENGES IN THE AGRI-FOOD SECTOR**

Maria Luiza PASCAL, Adrian TUREK-RAHOVEANU 479

**53.IMPACT OF THE COVID-19 PANDEMIC ON ABACA FARM HOUSEHOLDS:
A CROSS-SECTIONAL SURVEY**

Mary Cris F. PLEÑOS..... 487

**54.ASSESSMENT OF ABACA FIBER PRODUCTION IN EASTERN VISAYAS
PROVINCES, PHILIPPINES**

Mary Cris F. PLEÑOS..... 493

**55.WOMEN’S PARTICIPATION IN ABACA FARMING: A CASE IN BAYBAY
LEYTE, PHILIPPINES**

Mary Cris F. PLEÑOS..... 497

**56.LIVESTOCK DECLINE AND ANIMAL OUTPUT GROWTH IN THE
EUROPEAN UNION IN THE PERIOD 2012-2021**

**Agatha POPESCU, Toma Adrian DINU, Elena STOIAN,
Valentin ȘERBAN 503**

**57.LIVESTOCK AND MILK AND MEAT PRODUCTION IN THE TOP FIVE EU
COUNTRIES REARING SHEEP AND GOATS, 2012-2021**

Agatha POPESCU, Mirela STANCIU, Iuliana ANTONIE 515

**58.GAPS IN THE EDUCATION LEVEL BETWEEN RURAL AND URBAN AREAS
IN THE EUROPEAN UNION**

**Agatha POPESCU, Cristina TINDECHE, Alina MĂRCUȚĂ, Liviu MĂRCUȚĂ,
Adelaida HONTUȘ, Carmen ANGELESCU 531**

59. INCOME INEQUALITY IN THE COUNTRIES OF THE EUROPEAN UNION

Agatha POPESCU 547

60. TRENDS IN AVERAGE ANNUAL FOOD CONSUMPTION PER INHABITANT IN ROMANIA

**Agatha POPESCU, Irina CHIRCIU, Elena SOARE, Paula STOICEA,
Adina IORGA..... 561**

61. ANTI-DRIFT TECHNOLOGY: MARKET, FORMULATION, APPLYING METHODS

**Cătălin Viorel POPESCU, Mirela PARASCHIVU, Gheorghe MATEI,
Călin SĂLCEANU, Elena ROȘCULETE..... 581**

62. EFFECT OF PRE-SLAUGHTER WEIGHT AND SEX ON THE PERFORMANCE OF IRISH LANDRACE PIG CARCASSES

**Mykola POVOD, Viktoriia VECHORKA, Olga BORDUNOVA,
Ruslan TRYBRAT, Olena KRAVCHENKO, Olena KARATIEIEVA,
Tetyana VERBELCHUK, Serhii VERBELCHUK,
Halyna KALYNYCHENKO, Ludmila ONISHENKO..... 589**

63. MEASURING SUCCESS LEVELS OF AGRICULTURAL PRODUCER ORGANIZATIONS, AND ORGANIZATIONAL PROBLEMS: THE CASE STUDY IN TURKEY

Ugur SAĞLAM, Nizamettin ERBAŞ, I. Hakki İNAN..... 599

64. EVALUATION OF THE NITROGEN USE IN WHEAT CROP IN RELATION TO AMMONIUM NITRATE FERTILIZER

Florin SALA..... 609

65. WHEAT PRODUCTION VARIATION ANALYSIS IN RELATION TO THE EARS DENSITY AND CATEGORY AT HARVEST

Florin SALA..... 617

66. DETERMINANTS OF VEGETABLE CONSUMPTION AMONG HOUSEHOLDS IN RURAL PHILIPPINES

Romulo SALOMA..... 625

67. DEVELOPMENT OF RURAL TOURISM IN UKRAINE IN THE CONTEXT OF SUSTAINABLE DEVELOPMENT

Zoriana SENETA, Ion DUBOVICH..... 633

68.THE ROLE OF LAND RESOURCES IN THE FINANCIAL PROVISION OF RURAL AREAS OF UKRAINE

**Oleksii SHKURATOV, Olesia KHOKHULIAK,
Tetyana KUSHNIRUK..... 643**

69.ANALYSIS OF INVESTMENT EFFICIENCY IN THE AGRICULTURAL SECTOR OF UKRAINE ON THE BASIS OF SUSTAINABLE DEVELOPMENT

**Tetiana SHMATKOVSKA, Tetiana KULINICH, Mykola DZIAMULYCH,
Svitlana ROGACH, Andrii BILOCHENKO, Olena SERDIUKOVA 649**

70.RESPONSE OF VEGETATIVE GROWTH OF TOMATO (*Solanum lycopersicum* L. VAR. MIRA) DUE TO PGPR (PLANT GROWTH-PROMOTING RHIZOBACTERIA) COMBINED WITH COMPOST AND NPK FERTILIZER

**Parluhutan SIAHAAN, Nevada Indah MANGINDAAN,
Marina Flora Oktavine SINGKOH..... 659**

71.RESPONSIBLE INNOVATION IN AGRICULTURE: A CASE STUDY FROM NORTH MACEDONIA

Ana SIMONOVSKA, Emelj TUNA, Dragan GJOSHEVSKI..... 665

72.CULTURE AND EDUCATION IN THE ROMANIAN RURAL SPACE

**Simona Ionela SIPCĂ (ALDEA), Alexandru SIPCĂ, Elena TOMA,
Marius Alin IONICĂ..... 675**

73.THE MAIN CHALLENGES IN EDUCATION IN THE CONTEXT OF THE DIGITAL TRANSFORMATION OF LEARNING

Ionela Simona SIPCĂ (ALDEA), Elena TOMA 681

74.PERFORMANCE OF CATFISH (*PANGASIU* SP.) CULTIVATION WITH POND MEDIA: CASE STUDY IN BANJAR REGENCY, SOUTH KALIMANTAN PROVINCE, INDONESIA

Emmy SRI MAHREDA, Rina MUSTIKA..... 689

75.STRUCTURAL CHANGES OF ROMANIAN LABOR MARKET AT REGIONAL LEVEL DURING 2005-2020 PERIOD

Marian Constantin STATE, Ion DONA..... 699

76.IMPORT AND EXPORT OF WHEAT, SUNFLOWER AND POTATO IN THE CONTEXT OF ENSURING FOOD SECURITY

**Cristina Maria STERIE, Dalila Gabriela STOICA, Andreea Daniela GIUCĂ,
Ana URȘU, Laurențiu Ionuț PETRE..... 705**

77.THE PROVISION OF SERVICES SPECIFIC TO THE AGRICULTURAL SECTOR IN ROMANIA

Petruța Georgeta ȘTIUBEI, Elena TOMA..... 713

78.LAND RELATIONS IN BULGARIA - CHALLENGES AND TRENDS

Teodora STOEVA, Violeta DIRIMANOVA..... 719

79.TRENDS IN ORGANIC FARMING IN ROMANIA

Gabriela-Dalila STOICA, Maria-Cristina STERIE, Andreea-Daniela GIUCĂ,
Ana URȘU, Ionuț Laurențiu PETRE..... 725

80.RESEARCH ON THE SUSTAINABLE USE OF PESTICIDES AT MACRO-REGIONAL LEVEL AND IN THE DEVELOPMENT REGIONS OF ROMANIA

Paula STOICEA, Elena SOARE, Irina Adriana CHIURCIU,
Adina Magdalena IORGA, Toma Adrian DINU, Marius Mihai MICU,
Andreea FIRĂȚOIU..... 733

81.THEORETICAL APPROACH WITH REGARD TO THE MAIN BENEFITS OF SHORT SUPPLY CHAINS. FOCUS ON SMALL PRODUCERS AND LOCAL COMMUNITIES

Lucian TANASĂ, Ioan-Sebastian BRUMĂ, Simona-Roxana ULMAN,
Gabriel Vasile HOHA..... 743

82.ORGANIZATION AND PERFORMANCE OF THE AGRICULTURAL LAND MARKET IN UKRAINE

Ruslana TARATULA, Mariya MARYNOVYCH 753

83.ANALYSIS OF PROFITABILITY IN THE RESEARCH OF ECONOMICAL ENTERPRISES PERFORMANCES

Alexandru TCACI..... 759

84.THE VALUE DIMENSION OF UKRAINIAN EXPORTS OF GRAIN CROPS, FATS AND OILS TO EUROPEAN UNION COUNTRIES

Olesia TOTSKA..... 767

85.UKRAINE AND ROMANIA: FINANCIAL ASPECTS OF TRADE IN AGRICULTURAL PRODUCTS

Olesia TOTSKA..... 771

86.FORECAST MODELING OF FOREIGN TRADE IN AGRICULTURAL COMPLEX PRODUCTS BETWEEN UKRAINE AND ROMANIA

Olesia TOTSKA..... 777

87.ANALYSES OF AGRI-ENVIRONMENTAL INDICATORS AT REGIONAL LEVEL IN THE SLOVAK REPUBLIC

Maroš VALACH..... 783

88.ASSESSING THE APPLE SECTOR IN ROMANIA AND INSIGHTS ON THE CONSUMPTION

**Ionela Mițuko VLAD, Ana Cornelia BUTCARU, Mariana BURCEA,
Irina CHIURCIU, Elena TOMA, Tudor STANCIU..... 795**

89.ANALYSIS OF PRODUCTION COST AND PROFITABILITY OF ANISE PRODUCTION IN BURDUR, TURKEY

Osman Fatih YAĞIZ, Mevlüt GÜL..... 807

90.INVESTMENTS IN AGRICULTURE OF UKRAINE

Nataliia ZELISKO, Oksana BULYK, Andriy KOLODIY..... 819