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**Curriculum vitae
Europass**

Personal informations

First name(s) / Surname(s) **POPA C. Dana Cătălina**
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Fax(es) -
E-mail danasandulescu@yahoo.com
Nationality Romanian
Date of birth 16.01.1977
Gender Femele

Occupational field

University of Agricultural Sciences and Veterinary Medicine Bucharest, Engineering and Management of Animal Products Faculty

Work experience

Dates 1.10.2006 - present
Occupation or position held Lecturer
Main activities and responsibilities Teaching and research. Education: teaching and practical work in: Ecology and Environment protection, Aquatic botany and zoology, environment and biodiversity conservation, fish stock exploitation of natural and artificial ponds, Elements of marine flora and fauna, Inorganic Chemistry (practical). Practical arrangements students in farms and experimental fields. Research - project in the last years, member of the research team of 27 research projects / training / lecture on good agricultural practices, implementing and monitoring the application of the Nitrate Directive in rural areas, the impact of manure and other waste on water quality surface and groundwater, the possibility of converting traditional farms to organic farms, training of various social groups (children, farmers, training of trainers, local, regional and central authorities) rivind good agricultural and environmental of the cross compliance and its importance for agriculture durable.

Name and address of employer University of Agricultural Sciences and Veterinary Medicine Bucharest, Engineering and Management of Animal Products Faculty
Type of business or sector Education, teaching, training
Dates 1.03.2000– 1.10.2006
Occupation or position held Professor assistant
Main activities and responsibilities Technologies Department from the Faculty of Animal Sciences, University of Agronomic Sciences and Veterinary Medicine - Bucharest. *Teaching activities:* practical courses on Ecology and Environment protection; practical courses on Waste recycling. Research on the evaluation of the organic wastes (manure from livestock, quality of surface water from aquifers) in order to draw up the PhD thesis under guidance of Prof. Gheorghe Georgescu.

Name and address of employer University of Agricultural Sciences and Veterinary Medicine Bucharest, Animal Science Faculty
Type of business or sector Education and teaching

Education and training	
Dates	2011 – 2014
Title of qualification awarded	Biochemistry
Principal subjects/occupational skills covered	Biochemistry, Molecular techniques, cell biology, molecular biology, biotechnology, microscopy, instrumental analysis, histology, plant and animal biology. Competent techniques in molecular and cellular biology laboratory skills in the biochemical techniques. Competent clinical biochemistry.
Name and type of organisation providing education and training	University of Bucharest, Faculty of Biology
Dates	2013
Title of qualification awarded	Diploma Expert European Funds and Cohesion
Principal subjects/occupational skills covered	Types of European funding programs Competencies methods to access different types of European funds Competent design and access projects
Name and type of organisation providing education and training	CNFPA
Dates	2011 – 2013
Title of qualification awarded	Postgraduate Studies specialized molecular biology, cell biology laboratory management.
Principal subjects/occupational skills covered	Competent techniques in molecular and cellular biology, molecular and clinical Bichimie, separation and identification techniques of nucleic acids, proteins, lipids, carbohydrates and cell signal molecules. Competent management of biochemistry and molecular biology laboratory. Competent analysis of databases.
Name and type of organisation providing education and training	University of Bucharest, Faculty of Biology
Dates	2012-2013
Title of qualification awarded	Diploma postdoctoral researcher
Principal subjects/occupational skills covered	Research methods and techniques, Agribusiness impact on the quality of surface and groundwater conservation technologies in plant and animal biodiversity
Name and type of organisation providing education and training	National Institute of Economic Research "Costin C. Kiritescu" Romanian Academy
Dates	2010
Title of qualification awarded	Postuniversity Diploma with specialization in Agricultural Consulting
Principal subjects/occupational skills covered	Modern technologies in the field of animal and plant growth in agricultural consulting competencies in project, management competencies
Name and type of organisation providing education and training	University of Agricultural Sciences and Veterinary Medicine Bucharest UMP-MAKIS Project
Dates	2000 – 2005
Title of qualification awarded	PhD diploma in Animal Science
Principal subjects/occupational skills covered	Technology of cattle and horse exploitation. Best available practices in manure management of cattle
Name and type of organisation providing education and training	University of Agricultural Sciences and Veterinary Medicine Bucharest
Dates	1999 – 2001
Title of qualification awarded	Master Diploma in Systemic Ecology and Ecotechny
Principal subjects/occupational skills covered	Monitoring of natural ecosystem Evaluation of environment impact Using GAP technique for ecoregions mapping
Name and type of organisation providing education and training	University of Bucharest, Faculty of Biology
Dates	1995 – 1999
Title of qualification awarded	Biologist Diploma, Ecology and Environment protection specialisation
Principal subjects/occupational skills covered	Competences for biological sciences and laboratory techniques Competences in ecology, taxonomy, environment protection, biodiversity conservation
Name and type of organisation providing education and training	University of Bucharest, Faculty of Biology

Personal skills and competences

Mother tongue(s)
Other language(s)

Self-assessment
European level ()*

English
French

Romanian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production		Exprimare scrisă	
B2	Expert user	C1	Expert user	B2	Expert user	B2	Expert user	B2	Expert user
A2	Independent users	B1	Independent users	A2	Independent users	A2	Independent users	A1	Independent users

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences

Good communication skills acquired through the experience of university activities;
Ample communication skills acquired through the experience of your own expert/lecturer, through participation in the various training courses of various social categories and age (children, farmers, training of trainers, local, regional and central representant of authorities);
Capacity of argumentation and persuasion, by participation in scientific sessions and discussions in professional circles
Counselling skills;
Collaboration with different partners within the framework of research projects national or international

Organisational skills and competences

Leadership, project director PN II ▪ organizational skills, capacity of synthesis and analysis, coordination capacity; ▪ analytical mind, ability to work in teams;
Experience in project management, lecturer specialist on the rules of environmental protection projects to develop entrepreneurship in livestock, key expert in agri-environment expert national inventory of greenhouse gas emissions, expert / trainer in water protection with nutrients Agribusiness sources.
These skills were acquired and improved by work experience by organizing scientific conferences, workshops, within the training and seminars that I attended

Skills and computer use

Microsoft Office (Word, Excel, PowerPoint), MatLab.
These skills were acquired and improved by work experience..

Drive licence

B

Additional information

Member organizations prestigious professional associations, membership organizations, educational and research
Member of the Romanian Society of Animal Science
Member of the Romanian Society of Ecology
Secretary of the Academic Forum under the aegis of the Romanian Association of Environmental
Member of the Romanian Association of Environmental
Member of INTECOL
Member Who is Who - Encyclopedia of Personalities in Romania
Member of the management structure: Member, Staff Council, Faculty of Animal Husbandry, Bucharest (2004 - 2008)

Awards and distinctions

Patent: Diaconescu Cristian Urdes Laura, Diniță Georgeta, Popa Dana - Phytoremediation of soils contaminated with lead using the hybrid mulberry *Morus spp.*, Inoculated with vesicular arbuscular endomycorize. Beneficiary SCBIOING SA, filing documentation no. A 00915 / 19.09.2011 and patent agreement in June 2013, the beneficiary USAMVB and SC BIOING SA
GK Constantinescu Award (2009) for the book „Monography of buffalos growth in Romania and worldwide”, Ed. Ceres Bucharest.
GK Constantinescu prize (2015) for the „Peculiarities of phenotypic, genotypic and growth of indigenous buffalo”, Ed. Pim, Iași.

Appendix:
representative scientific works and research contracts

- PhD thesis;
- Published books and books chapter: 13;
- Paper works, ISI Thomson Reuters and ISI proceedings volume: 15
- Paper work, BDI indexed: 104 (selection)
- Paper work, no ranked: 5
- Patent: 1
- Research projects / development / innovation on contract: 27

Data: 7.01.2021

A. PhD thesis:

Săndulescu (married Popa) Dana Cătălina (2005) "Disposal project studies, environmental management and using manure from cattle farms" – University of Agricultural Sciences and Veterinary Medicine Bucharest, Animal Science Faculty.

B. Published books and books chapter:

1. **Săndulescu Dana (married Popa)**, "Ecology and environment protection", Ed. AgroTehnica, București, 2002, ISBN: 973-86088-0-5
2. **Săndulescu Dana (married Popa)**, Razvan Popa, "Ecology and environment protection" – practice paper, USAMV Bucharest, 2002
3. A. Popescu, Gheorghe Dobrică, **Săndulescu Dana (married Popa)**, "Animal manure and its importance in livestock farms" Amanda Edit, 2005, ISBN 973-85729-9.
4. A. Popescu, Gheorghe Dobrică, **Săndulescu Dana (married Popa)**, "Manure evacuation from cow shelters" Amanda Edit, 2005, ISBN 973-85723-7-1.
5. Gh. Georgescu (coordinator), ș.a. (**Dana Popa** – capter. 4.6.) – "Book for producer and milk processor", vol. 2, Ed. Ceres, București, 2007, ISBN 973-40-0591-X, 978-973-40-0773-8.
6. Gh. Georgescu (coordinator), ș.a. (**Dana Popa**) - "Monography of buffalos growth in Romania and worldwide", Ed. Ceres, București, 2007, ISBN 973-40-0591-X, 978-973-40-0773-8.
7. Daniela Alexandrescu, **Dana Popa**, Carmen Nicolae - "Mountain aquatic ecosystems", Editura Electra, București, 2009, ISBN 978-606-507-029-5.
8. **Dana Popa** – "Introduction to Systems Ecology". Ed. Sfintul Ierarh Nicolae, Brăila, 2011, ISBN: 978-606-577-269-4.
9. **Popa Dana**, Răzvan Popa (2013). „Environment and biodiversity conservation”, Ed. Pim, Iași, 2012, ISBN: 978-606-13-1257-3.
10. Livia Vidu, A. Bota, **Dana Popa** et al. – Phenotypic, genotypic and growth particularity of indigenous buffaloes, Ed. Pim, Iasi, 2014, ISBN: 978-606-13-2124-7.
11. Vidu Livia, Mărginean Gh, coord (**Popa Dana** – chapter 1) - Code of Good Practice for bio buffalo farms, Ed. Pim, Iași, 2017, ISBN: 978-606-13-4025-5.
12. Vidu Livia, A. Bota coordonatori, (**Dana Popa** – chapter. 3, 5) – Guide for welfare buffalo farms for sustainable species development, Ed. Pim, Iași, 2017, ISBN: 978-606-13-4074-3.
13. Nicolae, CG (Nicolae, Carmen Georgeta); Nenciu, MI (Nenciu, Magda Ioana); Maximov, V (Maximov, Valodia); Popa, D (Popa, Dana); Marin, M (Marin, Monica); Ivancia, M (Ivancia, Mihaela) (2018) - Conservation Status of the Fish Fauna in the Danube Delta Marine Zone, DIVERSITY IN COASTAL MARINE SCIENCES: HISTORICAL PERSPECTIVES AND CONTEMPORARY RESEARCH OF GEOLOGY, PHYSICS, CHEMISTRY, BIOLOGY, AND REMOTE SENSING Book Series: Coastal Research Library Volume: 23 Pages: 443-472 DOI: 10.1007/978-3-319-57577-3_26, WOS:000437098200027

C. Paper work: ISI Thomson Reuters and ISI proceedings indexed:

1.	Diaconescu Cristiana, Laura Urdeș, Marius Hanganu, Daniela Ianitchi, Dana Popa (2008) - The influence of heavy metal contents on superoxide dismutase and glutathione peroxidase activity in the fish meat originated from different areas of Danube river, Romanian Biotechnological Letters, Vol. 13 (4) p. 3859-3862, ISSN: 1224-5984, WOS:000258772300010
2.	Vidu Livia, Diaconescu Cristiana, Udroui Alina, Băcilă V., Popa Dana , Popa Răzvan, Stanciu Mirela (2014) - The Buffalo - part of animal biodiversity in Romania and the importance for the bioeconomy, Proceedings of 14th SGEM GeoConference on Ecology, Economics, Education and Legislation - Section Ecology and Environmental Protection, vol. 1, p. 665-672, ISSN 1314-2704, WOS:000370816200091
3.	Diaconescu Cristiana, Livia Vidu, Laura Urdes, Dana Popa , Monica Marin, St. Diaconescu (2014) - Biochemical changes induced by lead contamination of biological samples mulberry (morus sp.), Proceedings of 14th SGEM GeoConference on Ecology, Economics, Education and Legislation - Section Ecology and Environmental Protection, vol. 1, p. 94-7-104, ISSN 1314-2704, WOS:000370816200014
4.	Popa, DC (Popa, Dana Catalina) ; Dudu, A (Dudu, Andreea); Georgescu, SE (Georgescu, Sergiu Emil); Burcea, A (Burcea, Alexandru); Popa, RA (Popa, Razvan Alexandru); Vidu, L (Vidu, Livia) - Analysis of genetic diversity of Romanian buffalo - a preliminary (2020), Romanian Biotechnological Letters, Volume:25 Issue:2, Pages:1418-1423, DOI:10.25083/r bl/25.2/1418.1423 WOS:000539565000014
5.	Maftai, M (Maftai, Marius); Marginean, G (Marginean, Gheorghe); Vlad, I (Vlad, Iulian); Nicolae, C (Nicolae, Carmen); Popa, D (Popa, Dana); Pogurschi, E (Pogurschi, Elena); Nistor, L (Nistor, Lucica); Ianitchi, D (Ianitchi, Daniela); Purdoi, S (Purdoi, Serban) (2019) - Researches regarding cannon bone perimeter average performances in romanian Hucul horse breed - Pietrosu bloodline, Scientific papers-Series D-Animal Science Volume: 62 Issue: 2 Pages: 160-164, WOS:000509121700026
6.	Cuvliuc, AE (Cuvliuc, Alina Elena); Marginean, GE (Marginean, Gheorghe Emil); Acatincai, S (Acatincai, Stelian); Popa, DC (Popa, Dana Catalina) ; Vidu, L (Vidu, Livia) (2019) - Body condition score and it correlation with rank and age of lactation in Holstein livestock from Romania, Scientific papers - Series D-Animal Science Volume:62 Issue:1 Pages: 262-266, WOS:000484814600039
7.	Maftai, M (Maftai, Marius); Marginean, G (Marginean, Gheorghe); Vlad, I (Vlad, Iulian); Popa, R (Popa, Razvan); Popa, D (Popa, Dana) ; Pogurschi, E (Pogurschi, Elena); Nistor, L (Nistor, Lucica); Defta, N (Defta, Nicoleta); Suler, A (Suler, Andra); Posan, P (Posan, Paula) (2018) - Study about cannon bone perimeter average performances in romanian Hucul

	horse breed - Prislop Bloodline, Scientific papers - Series D-Animal Science Volume: 61 Issue: 1 Pages: 205-207, WOS:000448065500035
8.	Popa, R (Popa, Razvan); Popa, D (Popa, Dana) ; Vidu, L (Vidu, Livia); Nicolae, C (Nicolae, Carmen); Maftei, M (Maftei, Marius) (2018) - Establish the selection objective using a competitiveness index for romanian buffalo, Scientific papers - Series D-Animal Science Volume: 61 Issue: 2 Pages: 11-15, WOS:000454345800001
9.	Maftei, M (Maftei, Marius); Marginean, G (Marginean, Gheorghe); Vlad, I (Vlad, Iulian); Popa, R (Popa, Razvan); Popa, D (Popa, Dana) ; Pogurschi, E (Pogurschi, Elena); Nistor, L (Nistor, Lucica); Ianitchi, D (Ianitchi, Daniela); Suler, A (Suler, Andra); Posan, P (Posan, Paula) (2018) - A part of genetic history in horses: important ancestors of gidran horse from Tulucesti Studfarm, Scientific papers - Series D-Animal Science Volume: 61 Issue: 2 Pages: 25-29, WOS:000454345800004
10.	Popa, R (Popa, Razvan); Popa, D (Popa, Dana) ; Vidu, L (Vidu, Livia); Pogurschi, E (Pogurschi, Elena); Maftei, M (Maftei, Marius); Nicolae, C (Nicolae, Carmen) - Economic weight of production traits for romanian buffalo, Scientific papers - Series D-Animal Science Volume: 61 Issue: 1 Pages: 35-40, WOS:000448065500006
11.	Popa, D (Popa, Dana) ; Popa, R (Popa, Razvan); Pogurschi, E (Pogurschi, Elena); Maftei, M (Maftei, Marius); Vidu, L (Vidu, Livia) (2018) – Research on the influence of soil amendments and livestock management on surface water quality from Teleorman county, Scientific papers - Series D-Animal Science Volume: 61 Issue: 1 Pages: 194-200, WOS:000448065500033
12.	Popa, RA (Popa, Razvan Alexandru); Vidu, L (Vidu, Livia); Popa, DC (Popa, Dana Catalina) ; Bota, A (Bota, Adrian) (2016) - Economic efficiency - a key to biodiversity conservation. analyze product cost structure and profit calculation in three types of buffalo farms in Fagaras area, Scientific papers - Series D-Animal Science Volume: 59 Pages: 240-245, WOS:000413672900047
13.	Nicolae, CG (Nicolae, Carmen Georgeta); Marin, M (Marin, Monica); Popa, D (Popa, Dana) ; Pogurschi, E (Pogurschi, Elena); Costache, M (Costache, Mioara) (2016) - The estimation of environmental influence on the production performance of ropsa juvenile carp, 16th International Multidisciplinary Scientific Geoconference (SGEM 2016) , Ecology, economics, education and legislation conference proceedings, SGEM 2016, VOL I Book Series: International Multidisciplinary Scientific GeoConference-SGEM Pages: 715-720, WOS:000391519100095
14.	Popa, D (Popa, Dana) ; Popa, R (Popa, Razvan); Vidu, L (Vidu, Livia); Nicolae, C (Nicolae, Carmen) (2016) - Emission of Methane from Enteric Fermentation of Cattle and Buffaloes in Romania between 1989-2014, 5th International conference - Agriculture for Life, Life for Agriculture Book Series: Agriculture and Agricultural Science Procedia Volume: 10 Pages: 289-298 DOI: 10.1016/j.aaspro.2016.09.066, WOS:000387504900041
15.	Nicolae, CG (Nicolae, Carmen Georgeta); Popa, DC (Popa, Dana Catalina) ; Rahoveanu, AT (Rahoveanu, Adrian Turek); Dumitrache, F (Dumitrache, Florentina); Mocuta, D (Mocuta, Dorina); Elia, E (Elia, EHUD) (2015) - Low-tech aquaponic system based on an ornamental aquarium, Scientific papers - Series D-Animal Science Volume: 58 Pages: 385-390, WOS:000416371900068

D. Paper work BDI indexed (selection):

1. **Săndulescu Dana**, Carmen Nicolae, Șt. Diaconescu, M. Lăcraru (2000) - **Case study on wastewater management in the river Olt** - Lucrările sesiunii de comunicări științifice "Zootehnia 2000", București, ISBN: 1582-5876.
2. **Săndulescu Dana**, Carmen Nicolae, Andra Diaconescu (2001)- **Research on Biogeochemical cycles of nitrogen and phosphorus in the lower Danube basin** - A 30-a sesiune de comunicări științifice, București, ISBN: 1582-5876.
3. Nicolae Carmen, **Dana Săndulescu**, Andra Diaconescu (2001)– Case study on karyotype evolution in Cypriniformes - A 30-a Sesiune de Comunicări Științifice, București, ISBN: 1582-5876.
4. Diaconescu Andra, **Dana Săndulescu**, Carmen Nicolae (2001) – Modern methods used in the research of cow's milk - A 30-a Sesiune de Comunicări Științifice, București, ISBN: 1582-5876.
5. **Săndulescu Dana**, Carmen Nicolae, Șt. Diaconescu, Daniela Ianitchi (2001) - **Case study regarding the management of the wasted waters in the hydro-basin of the river Olt**, Book of Abstracts of the 52nd Annual Meeting of the European Association for Animal Production, Budapest, Hungary, 26-29 August.
6. **Săndulescu Dana**, R. AL. Popa - **Strategies to use cattle manure** (2002) - Vol. XXXV Lucrări științifice Zootehnie și Biotehnologii, Ed. Agroprint Timișoara, ISSN: 1221-5287.
7. Diaconescu Andra, **Dana Săndulescu**, Consuela Roibu, G. Maloș (2002) – Determining the concentration of the washing agents used in cleaning in the food industry - a 31-a Sesiune de Comunicări Științifice, Facultatea de Zootehnie București, ISBN: 1582-5876.
8. Popa Răzvan Al., Tomița Drăgoteiu, Vasile Băcilă, **Dana Săndulescu** (2002) – „Estimating the relative economic importance (in the biological approach) of characters that can form a new ground of discrimination reproductive boars”, a 31-a Sesiune de Comunicări Științifice, Facultatea de Zootehnie București, ISBN: 1582-5876.
9. **Săndulescu Dana**, Andra Diaconescu, Răzvan Al. Popa (2002) – „**Toxicity organo-chlorinated products and recovery of their biological products**”, a 31-a Sesiune de Comunicări Științifice, Facultatea de Zootehnie București, ISBN: 1582-5876.
10. Popa Răzvan Al., H. Grosu, Tomița Drăgoteiu, M. Maftei, **Dana Săndulescu** (2003) – „A part of results concerning the

genetic analysis of Lucina Hutul horse breed". Proceedings of Animal Science Second Joint Meeting of the Balkan Countries Balanimalcom, Bucharest, Faculty of Animal Science, ISBN 973-0-02371-9.

11. **Săndulescu Dana**, Andra Șuler, R. Al. Popa, M. Maftei (2003) – **"Ecological technologies method of wasted water"**. The 32nd Annual Session of Scientific Communications of the Bucharest Faculty of Animal Science, Bucharest, 2003, ISBN: 1582-5876.
12. Popa Răzvan Al., H. Grosu, Tomița Drăgotoiu, M. Maftei, **Dana Săndulescu** (2003)– Preliminary study on genetic history Hucul horse – Sesiunea de Comunicări Științifice, Iași, ISSN: 1454-7368.
13. Popa Răzvan Al., **Dana Săndulescu**, Tomița Drăgotoiu, M. Maftei (2004) – „Important parameters of the Hucul horse genetic analysis of Lucina”. Sesiunea anuală de comunicări științifice „Zootehnia românească în perspectiva integrării în Uniunea Europeană”, Facultatea de Zootehnie Iași, ISSN: 1454-7368.
14. Domocos R, **Dana Săndulescu** – Comparative Approaches for Central and Eastern Europe countries (2004), privind identificarea și ierarhizarea problemelor agricole rurale - Sesiunea anuală de comunicări științifice „Zootehnia românească în perspectiva integrării în Uniunea Europeană”, Facultatea de Zootehnie Iași, ISSN: 1454-7368.
15. **Săndulescu Dana**, R. Al. Popa, Andra Șuler, Georgeta Diniță (2004) – **Different scenarios for waste water treatments along the Danube Basin** – Analele Universității din Oradea, fascicula: Ecotoxicologie, Zootehnie și Tehnologii de Industrie Alimentară, vol. III, Ed. Universității din Oradea, ISSN:2065-3484.
16. **Săndulescu Dana**, R. Al. Popa, Georgeta Diniță, Andra Șuler – **Dynamics of main nutrients (N and P) in the basin Prahova Ialomiței, Glavacioc and Fundu Mare Island** (2004)– Acta Universitatis Cibiniensis, seria Științe Agricole, vol. 1, Ed. Universității „Lucian Blaga” din Sibiu, ISSN: 1582-8549.
17. Maftei M., **Dana Sandulescu**, R. Popa (2004) – „Note about increasing the economical efficiency of the Romanian Hucul breed”, EAAP, 55th Annual Meeting, Bled.
18. Diniță Georgeta, Carmen Antonescu, Camelia Hodoșan, **Dana Săndulescu** (2004) – The effect of inbreeding on the biochemical parameters in the silkworms (*Bombyx mori*), Lucrări Științifice, seria D, vol. XLVII, București, ISBN: 1582-5876.
19. Diniță Georgeta, Carmen Antonescu, A. Marmandiu, Camelia Hodoșan, **Dana Săndulescu** (2005) – The inbreeding effects on the Quantity of proteins and lipids from the silkworm eggs (*Bombyx mori*) – Universitatea Agrară de Stat din Moldova, Lucrări Științifice, vol 13, Zootehnie și Biotehnologii animaliere, ISBN: 9975-64-025-7.
20. **Dana Săndulescu**, R. Al. Popa, Andra Șuler (2005) - **Research on the chemical composition of the solid manure and manure from cattle derived** – Sesiunea anuală de Comunicări Științifice „Realizări și perspective europene în creșterea animalelor”, Facultatea de Zootehnie Iași, ISSN: 1454-7368.
21. Maloș I. G., Gabriela Maloș, Daniela Ianițchi, Camelia Hodoșan, **Dana Săndulescu** - The influence of Botosani Karakul breeders upon descendants sex – Zilele Academiei Timișene, ediția a IX-a, Simpozion “Creșterea animalelor în perspective integrării europene”, Timișoara, 2005.
22. Maloș I. G., Gabriela Maloș, Daniela Ianițchi, Camelia Hodoșan, **Dana Săndulescu** - The effectiveness of sheep exploitation for leathers Botosani Karakul – Zilele Academiei Timișene, ediția a IX-a, Simpozion “Creșterea animalelor în perspective integrării europene”, Timișoara, 2005.
23. Popa R. Al., **Dana Săndulescu**, H. Grosu, V. Băcilă (2005)- A study on the genetic structure of synthetic lines of pigs LSP - 2000, Sesiunea anuală de Comunicări Științifice „Realizări și perspective europene în creșterea animalelor”, Facultatea de Zootehnie Iași, ISSN: 1454-7368.
24. Popa R. Al., **Dana Săndulescu**, H. Grosu, V. Băcilă (2005) - Optimizing selection criteria in line synthetic swine LSP - 2000, Sesiunea anuală de Comunicări Științifice „Realizări și perspective europene în creșterea animalelor”, Facultatea de Zootehnie Iași, ISSN: 1454-7368.
25. **Săndulescu Dana**, R. Popa (2005) – **Research on the chemical composition of the solid manure**, Lucrări Științifice, seria Zootehnie, vol. 48, Ed. Ion Ionescu de la Brad, Iași, ISSN: 1454-7368.
26. **Popa Dana**, R. Al. Popa, Gabriela Maloș, G. Maloș (2006) - **Impact assessment of cattle manure application on the environment in the river Mures**, Sesiunea Anuală de Comunicări Științifice „Realizări și perspective europene în creșterea animalelor”, Facultatea de Zootehnie, Iași, ISSN: 1454-7368.
27. **Popa Dana**, R. Al. Popa, G. Maloș, Gabriela Maloș (2006) - **Quantitative and qualitative analysis of cattle manure from dairy farms**, Sesiunea Anuală de Comunicări Științifice „Realizări și perspective europene în creșterea animalelor”, Facultatea de Zootehnie, Iași, ISSN: 1454-7368.
28. Popa R. Al, **Dana Popa**, H. Grosu, V. Băcilă – Research on average kinship, and inbreeding effective population size LSP - 2000, Sesiunea Anuală de Comunicări Științifice „Realizări și perspective europene în creșterea animalelor”, Facultatea de Zootehnie, Iași, ISSN: 1454-7368.
29. Popa R. Al., **Dana Popa**, H. Grosu, V. Băcilă – Research on analysis of partial genetic history of synthetic line LSP - 2000: likeness immigrants and important ancestors of the population, Sesiunea Anuală de Comunicări Științifice „Realizări și perspective europene în creșterea animalelor”, Facultatea de Zootehnie, Iași, ISSN: 1454-7368.
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5. **Săndulescu Dana**, T. Șchiopu, D. Șchiopu - Current Issues on organic foods (II) - Cereals and technical plants, no.4, 2003.

F. Patent:

1. Diaconescu Cristiana, Urdes Laura, Diniță Georgeta, **Popa Dana** - Phytoremediation of soils contaminated with lead using the hybrid mulberry *Morus* spp., Inoculated with vesicular arbuscular endomycorize. Beneficiary SCBIOING SA, filing documentation no. A 00915 / 19.09.2011 and patent agreement in June 2013, the beneficiary USAMVB and SC BIOING SA

H. Research projects / development / innovation on contract

1. „Modern technology management, and breeding and feeding in dairy farms in Calarasi County”. World Bank Project, UMP – MAPAM, 3528/2003, contract no. 2358/8.12.2003, 2003-2005. During the project we conducted training activities to farmers on best practices for manure management, depending on the size of livestock, farm location, depth of groundwater and soil structure.
2. „Using molecular markers to improve animal economic interest”, CEEX Program. Contract no. 15/2005, 2005-2008.
3. „Phytoremediation of lead contaminated soils using plants of the genus *Morus*” PNCDI II Program, Contract no. 32108/2008), 2008-2011. One goal of the project was practical approaches on the correct management of soil, water and crop management and livestock.
4. „Management system for the development of fisheries in the region south-east market implications” PNCDI II Program, Contract no. 52123/2008), 2008-2011. Operational objectives of the project were listed: research on surface water quality and the impact of various agricultural activities and livestock on water quality, fish meat quality and food safety
5. „Economic optimization and genetic improvement programs in sheep in the context of European harmonization” PNCDI II Program (Contract nr. 52163/2008), 2008-2011.
6. „Labor market development by promoting rural non-agricultural occupations”, POSDRU Project 39302008-2011. The project involved direct contact with socially disadvantaged groups or in disadvantaged areas, which run mainly agricultural activities, and the project proposed alternative revenue growth and sustainable rural development.

7. "Development of entrepreneurship in livestock and animal products processing in the Bucharest-Ilfov" POS-DRU Program: (contract nr.. 3/3.1/G/37879), 2009-2010. The project was legal and practical approaches on good practices, environmental protection and biodiversity in animal husbandry, the target group is made up of small farmers in the Bucharest-Ilfov.
8. *Postdoctoral school for zootechnical biodiversity and food biotechnology based on the eco-economy and the bio-economy required by eco-san-genesys, POS-DRU Project no 89/1.5/S/ 2011-2012. Postdoctoral work entitled "Research on the impact of manure from cattle ecoeconomiei on surface water in an area determined Teleorman to integrate their Ecosanogenesis criteria".*
9. "Development of national values relevant parameters associated Agriculture Sector of National Inventory of greenhouse gas Greenhouse IPCC methodology ", ISPE contract, 2011.
10. „Substantiation of selection criteria buffalo indigenous populations Carpathian to improve race, ADER 713/2011, 2011-2014.
11. „Study on the development of national and sectoral forecasts of emissions of sulphur dioxide, nitrogen oxides, volatile organic compounds, ammonia and dust, regarding 2010-2015-2020-2030 as target years”, contract S175/2013, 2013-2014. Making emission scenarios legislative measures in force and additional steps, with proposals for agricultural and environmental best practices to reduce emissions.
13. „Training of staff at central, local county level with responsibilities in the implementation of FEADR funds (Payment Agency for Agriculture Intervention - APIA)". Proiect:C/511/1/4/S/12/00/24/S0, 2013-2014. APIA staff training for agri-environmental measures have led to a better understanding of the situation of farmers' land, best available agricultural practices based on geographic location, the legislation and the capacity to absorb the FEADR funds.
14. „Provision of technical assistance for the establishment of institutional arrangements associated procedural and legal national system for reporting policies and measures and emission projections for reporting sources and removals by sequestering greenhouse gas emissions and removals by sequestration of anthropogenic nature, in accordance with the provisions of European Parliament and Council Regulation 525/2013", 2014. Practicalities of good agricultural integration of CAP in rural areas, especially in the small and subsistence farms.
15. "Integrated Nutrient Pollution Control" Project 01 / FBS / 2011 civil contract 133 bis / 2013 Euroexpo Trade Fairs - public awareness campaign at river basin from 2013 to 2014 - a practical way to prevent water pollution from equipment, including the relevant aspects of the handling of manure and fertilizers, soil and water management, and management of crops and livestock. I worked for 21 villages in directly meetings with farmers to promote the best available agricultural practices and avoid the environment (especially water and soil) pollution.
16. „Research on the potential of converting conventional farms buffalo milk in bio farms by developing a demonstration model and Code of Practice, Bio-Buffalo", Proiect PNII 2013-2016, contract no. 169/2014, project leader). The project have tested various methods and techniques on water protection, soil and human health, in terms of conversion of traditional farms to organic one. There were workshops, direct meetings with farmers, workshops, dissemination in the media (radio and television) with buffalo breeding associations, to propagate and repeat this model farm.
17. "Integrated Nutrient Pollution Control" Project 31 / CQ / 2014 38/2014 agreement, Agrafics Communications - Consulting services for national dissemination of project benefits Integrated Nutrient Pollution Control, 2014-2015 - disseminating the necessary information to beneficiaries about the importance of preventing water pollution agricultural sources, relevant issues on sustainable management of manure and fertilizers, sustainable management of soil and water and and implementation of a sustainable and efficient management of crops and livestock.
18. "Integrated Nutrient Pollution Control" Project 31 / CQ / 2014 875/2014 agreement, Agrafics Communications - Best Practice Guidelines on the implementation of the Nitrate Directive at local and national level, from 2014 to 2015 - to develop a good practice guide which will include practical approaches needed to prevent water pollution agricultural sources, including proper management of manure and fertilizer, soil and water management.
18. „Integrated system of waste in Valcea", POS- MEDIU project, 2015-2016. Information and awareness campaign in 15 villages, directly meetings with different social category to sustain a clean water, a good agricultural practices and a sustainable environment protection, contract Agrafics Communication no. 532/18.05. 2015.
19. „Implementation of welfare measures to buffalo in relation to indicators of production, reproduction and economic different modules farms impacting sustainable development of species", ADER 8.1.1. 2015-2017. Informative and training sessions with farmers for implementation welfare measurement according to national laws, best guidance practices and environment protection.
20. Development of national values relevant parameters associated with the Agriculture of the National Inventory of Greenhouse Gas Greenhouse according to the 2006 IPCC methodology, mai-nov. Contact 2015/IPCC/2006.
21. "Integrated Nutrient Pollution Control", Project 02/FBS/2015, Contract 5.2/2016, CCAT, Consulting services for promotion of best practices and financial instruments for Nitrate Directive compliance among potential beneficiaries - Theoretical and practical approach to the prevention of water pollution from agricultural sources, including relevant aspects of the handling of manure and fertilizers, soil and water management, and management of crops and livestock.
22. Data Driven Dairy Decisions 4 Farmers, Horizon 2020 Proposal number: 696367, Proposal acronym: 4D4F, 2016-2019. Project describes important sensors in animal husbandry and environmental protection, in assisting farmers' decisions and work efficiency. Each case study (farms studied) is disseminated to farmers from 11 countries partners or in direct meetings or by teleconference.
23. Training and knowledge transfer in order to effectively implement the commitments of agri-environment and climate for farmers in area 6 (North West) ", grant agreement no. C01104ABC011660000051. The project involves direct meetings and trainings for 400 farmers who made commitments as Measurement 10 - Agri-environment and climate. The training refers to best agricultural practices, environmental protection, preserves biodiversity habitat and lead to sustainable rural development.
24. Research services for the study of the evaluation of the cost-benefit ratio for the application of derogations from the emission limit values and the criteria for establishing disproportionately high costs compared to the environmental benefits. Contract ISPE nr. SP 1216/2018.

25. Study on the elaboration, respectively the updating at national and sectoral level of the atmospheric pollutant emission forecasts considering 2050 as the target year, ISPE contract 268/7.05.2018
26. Supporting the improvement of the level of competences and qualification of the unemployed, inactive people, Roma people and people from rural areas in the Bucharest-Ifov region, by facilitating their participation in integrated, innovative and personalized activities and measures to facilitate and insert on the labor market - Training, certification and employment (MORE), POCU project no. 299/3/14/120760
27. Research on improving the productive efficiency of bovine, sheep, goats, swine and poultry animals by reducing total annual greenhouse gas emissions, expressed in tonnes of CO2 equivalent, ADER project no 9.1.4/2019
28. Social entrepreneurship, the solution for a sustainable economy, POCU project no. 449/4/16/128609/2019