

Curriculum Vitae
Europass



Personal information

Name / Surname DIACONU AURELIA
 Adress Dăbuleni, County Dolj, Zip Code 207220 , ROMANIA
 Telephone +40 251334402 Mobile: +40 0726685496
 Fax +40 251334347
 E-mail aureliadiaconu@yahoo.com; diaconu.a@scdcpndabuleni.ro
 Nationality Romanian
 Date of birth 08.09.1963
 Sex Feminine

Targeted job / Occupational field Research and Development Station for Plant Culture on Sands, Dăbuleni / Agriculture, Research

Professional experience Researcher in the field of early potato and sweet potato cultivation. Technologist in extra-early, early, and summer potato cultivation. Technologist in sweet potato cultivation.

Period November 1986 - present

Position or position held Director/Scientific Researcher I

Main activities and responsibilities Management of the research and development activity of SCDCPN Dăbuleni, Approval of the research topic on plant culture on sandy soils
 Responsible for the topic of research on early potato culture
 Responsible for early potato cultivation technology
 Responsible for researching technology links in sweet potato culture (*Ipomoea batatas*).

Name and address of employer Research and Development Station for Plant Culture on Sands, Dăbuleni, headquartered in Călărași, Dolj County, Petre Baniță Street, no. 217, postal code 207170, tel. +40 251334402, e-mail ccdcpndabuleni@yahoo.com; Website: <http://www.scdcpndabuleni.ro>

Type of activity or sector of activity Research in the field of plant cultivation on sandy soils

Education and training

Period April 1995 - February 1999

Qualification/diploma obtained Doctor in Agronomy with the topic "*Contributions to optimizing potato planting density*"

Main disciplines studied / professional skills acquired Phytotechnics, Agrochemistry, Agrotechnics

Name and type of educational institution/training provider Faculty of Agronomy. University of Craiova

Level in national or international classification Level I

Period October 1982 - August 1986

Qualification/diploma obtained Agronomist engineer

Main disciplines studied / professional skills acquired: Botany, Plant science, Plant physiology, Plant chemistry and biochemistry, Agrochemistry, Agrotechnics, Crop irrigation, Animal husbandry, Information systems and economic analysis

Name and type of educational institution/training provider: University of Craiova

Level in national or international classification: Level II

Personal skills and competencies

Mother tongue: Romanian

Foreign language(s) known

Self-evaluation	Understanding				Speaking				Writing	
<i>European level (*)</i>	Listening		Reading		Conversation		Oral speech		Written expression	
English Language	B1	Independent user	B1	Independent user	A1	Basic user	A1	Basic user	B1	Independent user
French Language	B1	Independent user	C1	Experienced user	B1	Independent user	B1	Independent user	B1	Independent user

(*) *Common European Framework of Reference for Language Level*

Social skills and abilities

- teamwork spirit;
- ability to adapt to multicultural environments, obtained through the experience of visits to China (2011, 2024), South Korea (2014, 2015)
- good communication skills, obtained as a result of the coordination experience as a director and responsible for partnerships in research projects

Organizational skills and abilities

- good communication skills, gained as a result of coordination experience as a director and responsible for partnerships in research projects
- good experience in project or team management, being responsible for the execution of several research topics

Technical skills and abilities

- a good knowledge of modern methodology in scientific research obtained through the professional development course (ANCS Bucharest, 2000)
- Certificate obtained in September 2015 from the Farmers Academy of Gyeongsangbuk-do Region, Republic of Korea on the occasion of the "2015 Gyeongbuk Advanced Agricultural Technology Training for The Romanian Agricultural Delegation"
- Certificate No. 24D6137012/ September 11, 2024, obtained within the "Training Course on Jujube Industry Technology for Romania", organized by the Agricultural University of Hebei, in Baoding, China, August 22 - September 11, 2024.

Computer skills and abilities

- a good knowledge of Microsoft Office™ tools (Word™, Excel™ and PowerPoint™), by completing the Course: "Data Entry, validation, and processing operator" – according to the "Qualification Certificate" – M.E.N. Approval No. of 11.11.2000

Driving license

Category B

- Additional Information
- author and co-author of 16 scientific papers published in ISI-listed journals,
 - author and co-author of 10 books,
 - author and co-author of 82 scientific papers published in BDI-indexed journals
 - author and co-author of 47 articles/studies published in various scientific and popularization journals, of medium level, which contribute to the development of the field
 - author and co-author of the development of 20 cultivation technologies for extra-early, early, and summer potatoes, wheat, rye, corn, sorghum, beans, peanuts, and sweet potatoes.
 - participation with scientific papers in national and international Conferences and Symposia
 - project director Bilateral Cooperation South Korea – Romania
 - member of the Romanian Society of Horticulturists (SRH)
 - corresponding member of the *Gheorghe Ionescu Șișești* Agricultural and Forestry Academy, Bucharest
 - member of the General Association of Engineers of Romania (AGIR)
 - member of the doctoral student guidance committees within the Doctoral School of Animal and Plant Resources Engineering, University of Craiova, Horticulture and Agronomy fields
 - lecturer vegetable growers training courses
 - lecturer farmer training within the PNDR
 - vice-president of the bacalaureate commissions Petre Banită Călarăși Technological High School
 - member of doctoral commissions – University of Craiova
 - member of the ASAS Commission for the Development of the Strategy in Combating Drought
 - member of the ASAS Commission – Production of seeds and seedlings
 - member of the ASAS Commission for Genetic Resources and Technologies in Vegetable Growing
 - member of the ASAS Commission – Crops and Technologies in Horticulture

Additional Information Travel abroad:

- China, August 11-22, 2011, visit the Institute of Agro-Resources and Environment, Hebei Academy of Agriculture and Forestry Sciences, China under the bilateral collaboration agreement no. 498/2011
- South Korea, December 14-21, 2014, visit to the Institute of Agricultural Science and Technology, College of Agriculture and Life Sciences-KNU and Gyeongbuk World Agriculture Forum. Supported by Kyungpook National University, Gyeongsangbuk-Do, Korea.
- South Korea, September 14-21, 2015 - visit to the Gyeongsangbuk-do Provincial Government 455, Docheong-daero, Pungcheon-myeon, Andong-si, Republic of Korea. Presentation at the event "Training in Advanced Agricultural Technologies.
- China, Hebei Agricultural University, August 22 – September 11, 2024, Training Course on Jujube Industry Technology for Romania.

- Annex**
- List of scientific papers
 - List of projects

March, 2025
Dr. eng. Diaconu Aurelia

LIST OF PUBLISHED SCIENTIFIC WORKS

I. DOCTORAL THESIS

Contributions to optimizing potato planting density, 1999, Faculty of Agronomy, University of Craiova.

II. BOOKS

1. Reta Drăghici, Georgeta Ciurescu, Gheorghe Matei, **Aurelia Diaconu**, Ștefan Nanu, Mirela Paraschivu, Iulian Drăghici, Alina Paraschiv, Mihaela Croitoru, Milica Dima, Maria Băjenaru, Florentina Netcu, Daniela Ilie, 2022. **Restoring the production capacity and protection of agroecosystems in the sandy soil area by promoting the cultivation of plant species tolerant to thermohydric stress, rye, sorghum, and beans**. ISBN 978-606-11-8228-2, 254 pp, Publishing house SITECH, Craiova.
2. **Aurelia DIAONU**, Ștefan NANU, Iulian RĂȚOI, Mihaela CROITORU, Reta DRĂGHICI, Elena CIUCIUC, Iulian DRĂGHICI, Milica DIMA, Ioan PINTILIE, Alina Nicoleta PARASCHIV, Gheorghe COTEȚ, Loredana Mirela SFÎRLOAGĂ, 2019. **Anniversary of S.C.D.C.P.N.Dăbuleni – BRIDGE OVER GENERATIONS**. ISBN 978-606-11-7259-7, Publishing house Sitech, Ctaiova, 2019, 245 pp.
3. **Aurelia DIAONU**, Iulian RĂȚOI, Ștefan NANU, Mihaela CROITORU, Reta DRĂGHICI, Elena CIUCIUC, Iulian DRĂGHICI, Milica DIMA, Ioan PINTILIE, Viorel ENACHE, Alina Nicoleta PARASCHIV, Loredana Mirela SFÎRLOAGĂ, Gheorghe COTEȚ, 2019. **6 DECADES OF RESEARCH ON PLANT CULTURE ON SANDS**, ISBN 978-606-11-7015-9, Publishing house Sitech, 544 pp.
4. **Diaconu Aurelia**, Draghici Reta, Cioloca Mihaela, Boiu Siciua Oana, Mohora Angela, Croitoru Mihaela, Paraschiv Alina, Draghici Iulian, Dima Milica, Coteț Gheorghe, 2018. **Guide to good agricultural and environmental practices in the field of optimizing sweet potato cultivation technology**, Publishing house SITECH, Craiova. ISBN: 978-606-11-6626-8, 147 pp.
5. Iulian Ratoi, **Aurelia Diaconu**, Vasile Toma, Mihaela Croitoru, Elena Ciuciuc, Iulian Draghici, Reta Draghici, Marieta Ploae, Milica Dima, Anica Durau, 2014. **Supply of primary agricultural products on sandy soils in Romania in the perspective of the years 2015-2025**. Publishing house Sitech, Craiova, 2014. ISBN 978-606-11-4311-5.
6. Burzo Ioan, 2014. **Climate change and its effects on horticultural plants**, Publishing house SITECH Craiova, ISBN 978-606-11-3970-5, **Chapter. 2: The effects of climate change on the growth and development of horticultural plants**, pp. 42-103 (Authors: Burzo Ioan, Aurelia Dobrescu, **Aurelia Diaconu**, Marieta Ploae) și **Chapter. 5: Measures to avoid damage caused by climate change to horticultural plants**, pp. 165-222 (Authors: **Aurelia Diaconu**, Toma V., Mihaela Croitoru, Rățoi I., Marieta Ploae, Elena Ciuciuc, Ploae P.)
7. Toma V., **Aurelia Diaconu**, Ciuciuc Elena, Mihaela Croitoru, Marieta Ploae, Rățoi I., Nanu Șt., Lascu N., Hănescu I., Lucia Șandru, 2011. **Organic grafted watermelon cultivation on sandy soils**, Publishing house Sitech, ISBN: 978-606-11-2016-1.
8. **Diaconu Aurelia**, 2009. **Rational irrigation of early potatoes**, Publishing house Sitech, Craiova, ISBN: 978- 606- 530- 702- 5.
9. **Diaconu Aurelia**, 2009. **Potato in the steppe zone**, Publishing house Sitech, Craiova, ISBN: 978- 606- 530- 703- 3.
10. Vârcan Paul, **Diaconu Aurelia**, Ene Domnica, Săninioiu Marin, Rotaru Liviu, 2002. **Expansion, production increase and efficiency of potato cultivation for early consumption in the steppe area**, Publishing house Alma Craiova, ISBN: 973-8443-00-8.

III. SCIENTIFIC PAPERS PUBLISHED IN ISI LISTED JOURNALS

1. Reta Drăghici, Ștefan Nanu*, **Aurelia Diaconu**, Cristina Bîrsoghe, Florentina Netcu, Alina Nicoleta Paraschiv and Milica Dima, 2024. **Effect of green cowpea manure on the quality properties of sandy soils under the specific conditions of the dry climate in Romania**, Agronomy 2024, 14(11), 2474; <https://doi.org/10.3390/agronomy14112474>, WOS:001365736600001
2. Gheorghe COTEȚ, **Aurelia DIAONU**, Alina PARASCHIV, Cristina BÎRSOGHE, Ștefan NANU, Maria BĂJENARU, 2024. **Study on the effectiveness of some insecto-fungicide combinations in the control of pathogens and pests in sweet potato crop in the field**. Scientific Papers. Series B,

Horticulture. Vol. LXVIII, No. 2, 2024, Print ISSN 2285-5653, CD-ROM ISSN 2285-5661, Online ISSN 2286-1580, ISSN-L 2285-5653, pp. 429-434, https://horticulturejournal.usamv.ro/pdf/2024/issue_2/Art55.pdf

3. Alina-Nicoleta PARASCHIV, Aurelia DIACONU, Ștefan NANU, Daniela Valentina POPA, 2023. **Research on the dynamics of meteorological phenomena in the south of Oltenia and the establishment of the suitability of the sweet pepper culture for the current climatic conditions**, Scientific Papers. Series B, Horticulture, Vol. LXVII, Issue 2, pp. 377-384, PRINT ISSN 2285-5653, CD-ROM ISSN 2285-5661, ONLINE ISSN 2286-1580, ISSN-L 2285-5653, https://horticulturejournal.usamv.ro/pdf/2023/issue_2/Art54.pdf, WOS:001131049200057.
4. Gheorghe COTEȚ, Aurelia DIACONU, Ștefan NANU, Nicoleta-Alina PARASCHIV, Milica DIMA, Rodi MITREA, 2023. **Research on the behavior of some sweet potato genotypes cultivated on the sandy soils of southern Romania**, Scientific Papers. Series B, Horticulture, Vol. LXVII, Issue 1, pp. 566-571, Print ISSN 2285-5653, CD-ROM ISSN 2285-5661, Online ISSN 2286-1580, ISSN-L 2285-5653, https://horticulturejournal.usamv.ro/pdf/2023/issue_1/Art75.pdf, WOS:001108672900099.
5. Dima, M (Dima, Milica); Paraschivu, M (Paraschivu, Mirela); Partal, E (Partal, Elena); Diaconu, A (Diaconu, Aurelia); Draghici, R (Draghici, Reta); Titirica, I (Titirica, Irina), 2023. **The impact of the sowing time on peanuts yield's components in marginal sandy soils in southern Oltenia, Romania**, Romanian Agricultural Research, Volume 40, Ppe 307-316; ISSN: 1222-4227; RAR 40 (incda-fundulea.ro); <https://www.incda-fundulea.ro/rar/No40fol/rar40.42.pdf>, WOS:001012854500029
6. Milica DIMA, Aurelia DIACONU, Mirela PARASCHIVU, Otilia COTUNA, Veronica SĂRĂȚEANU, Elena BONCIU, Călin SĂLCEANU, Aurel L. OLARU, 2023. **The impact of cultivation system on nutritional quality of Jerusalem artichoke tubers cultivated in semiarid marginal areas**, *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, Volume 51, Issue 2, Article number 13210, DOI:10.15835/nbha51213210; Factor impact 1,8, <https://notulaeobotanicae.ro/index.php/nbha/article/view/13210/9608> WOS:001034532200018.
7. Reta Drăghici, Iulian Drăghici, Mihaela Croitoru, Aurelia Diaconu, Milica Dima, Otilia Cristina Badi, 2022. **Improving the productivity and quality of rye production, by applying foliar fertilizers with a high content of microelements, in sandy soil conditions**, Scientific Papers. Series A. Agronomy, Vol. LXV, No. 1, 2022 ISSN 2285-5785; ISSN CD-ROM 2285-5793; ISSN Online 2285-5807; ISSN-L 2285-5785, p. 304-311; Art43.pdf (usamv.ro); https://agronomyjournal.usamv.ro/pdf/2022/issue_1/Art43.pdf, WOS:000861074500043
8. POPA Monica, CIOLOCA Mihaela, TICAN Andreea, DIACONU Aurelia, PARASCHIV Alina, 2022. **In vitro proppation of sweet potato varieties using axial shoots as a source of explants and their analysis by comparing some growth parameters**, Scientific Papers. Series A. Agronomy, Vol. LXV, Issue 1, ISSN 2285-5785, 697-702, https://agronomyjournal.usamv.ro/pdf/2022/issue_1/Art98.pdf, WOS:000861074500098.
9. Milica DIMA, Loredana Mirela SFÎRLOAGĂ, Aurelia DIACONU, Reta DRĂGHICI, Iulian DRĂGHICI, Mihaela CROITORU, Alina Nicoleta PARASCHIV, 2021. **Research on the nutrition system for Jerusalem artichoke grown on sandy soils**, Scientific Papers. Series A. Agronomy, Vol. LXIV, Issue 1, ISSN 2285-5785, 291-300, http://agronomyjournal.usamv.ro/pdf/2021/issue_1/Art37.pdf, WOS:000704504300037
10. Gheorghe Coteț, Andreea Coșoveanu, Ioan Radu, Aurelia Diaconu, Rodi Mitrea, 2021. **Slim mould-Sweet potato association on sandy soils of Romania**, The International Conference of the USAMV Bucharest "Agriculture for Life, Life for Agriculture", 2021, *Scientific Papers, Series A Agronomy*, vol. LXIV, no. 1/2021, ISSN 2285-5785, ISSN CD-ROM 2285-5793, ISSN-L 2285-5785, pp. 60-67, <https://agronomyjournal.usamv.ro/index.php/scientific-papers/past-issues?id=1203>, https://agronomyjournal.usamv.ro/pdf/2021/issue_1/Art6.pdf; WOS:000704504300006.
11. Iulian Draghici, Reta Draghici, Aurelia Diaconu, Mihaela Croitoru, Alina Nicoleta Paraschiv, Milica Dima, Elena Ciuciuc, Daniel Ciuciuc, 2019. **Results on bioenergetic potential of some sweet sorghum hybrids cultivated under psamosols conditions in southern Oltenia**, E3S Web of Conferences 112, 03014 (2019), TE-RE-RD 2019; <https://doi.org/10.1051/e3sconf/201911203014>, https://www.e3s-conferences.org/articles/e3sconf/pdf/2019/38/e3sconf_te-re-rd18_03014.pdf, WOS:000619989000047.
12. Reta Draghici, Iulian Draghici, Aurelia Diaconu, Mihaela Croitoru, Alina Nicoleta Paraschiv, Milica Dima, Mircea Constantinescu, 2019. **Utilization of the thermohydric stress in the psamosols area in southern Oltenia through the cowpea culture**. E3S Web of Conferences, 112, 03013 (2019), TE-RE-RD 2019; <https://doi.org/10.1051/e3sconf/201911203013>, https://www.e3s-conferences.org/articles/e3sconf/pdf/2019/38/e3sconf_te-re-rd18_03013.pdf WOS:000619989000046.
13. Aurelia Diaconu, Reta Drăghici, Mihaela Croitoru, Iulian Drăghici, Milica Dima, Alina Nicoleta Paraschiv, Gheorghe Coteț, 2019. **Dynamics of the production process of sweet potato cultivated in the sandy soil conditions in Romania**, Pak. J. Bot., 51(2): 617-622, DOI: 10.30848/PJB2019-2(26) ISSN:

0556-3321 (Print) ISSN: 2070-3368 (Online), <https://www.pakbs.org/pjbot/papers/1550950376.pdf>, WOS:000462608800027.

14. Stanila A. L., Simota C. C., Ratoi I., Diaconu A. & Dumitru M., (2019). **Research on improving fertility sandy soils from Dabuleni Field by administration of loess**. *Revista de Chimie*, (Bucharest), 70, 543-548; ISSN Online 2668-8212; ISSN Print: 1582-9049; ISSN-L: 1582-9049, <https://revistadechimie.ro/pdf/37%20STANILA%20%2019.pdf> , WOS:000461982200037.
15. Aurelia DIACONU, Alina-Nicoleta PARASCHIV, Reta DRĂGHICI, Mihaela CROITORU, Milica DIMA, 2018. **Research on the effect of climate change on the production capacity of some sweet potatoes varieties (Ipomoea batatas) cultivated on psamosoils in the southern area of Romania**, Scientific Papers. Series B, Horticulture. Vol. LXII, 2018 Print ISSN 2285-5653, CD-ROM ISSN 2285-5661, Online ISSN 2286-1580, ISSN-L 2285-5653, PP.379-383, <https://horticulturejournal.usamv.ro/pdf/2018/Art61.pdf>, WOS:000449533400061.
16. Aurelia DIACONU, Cho EUN-GI, Reta DRĂGHICI (DRĂGHICI), Mihaela CROITORU, Marieta PLOAE, Iulian DRĂGHICI, Milica DIMA, 2016. **THE BEHAVIOR OF SWEET POTATO (IPOMOEA BATATAS) IN TERMS PSAMOSOILS IN SOUTHERN ROMANIA** Scientific Papers. Series B, Horticulture. Vol. LX, 2016, Print ISSN 2285-5653, CD-ROM ISSN 2285-5661, Online ISSN 2286-1580, ISSN-L 2285-5653, Indexare in: Web of Science Core Collection (Emerging Sources Citation Index - THOMSON REUTERS), <http://mj.clarivate.com/cgi-bin/jrnlst/jlresults.cgi?PC=MASTER&ISSN=2285-5653>, <https://horticulturejournal.usamv.ro/pdf/2016/Art27.pdf>, WOS: 000414550900027.

IV. SCIENTIFIC PAPERS INDEXED BDI

1. Diaconu, A., Paraschiv, A.N., Bîrsoghe, C., Nanu, Ș., Coteț, G. and Băjenaru, M.F. (2024). **Quality characteristics of some cultivars of sweet potato grown on the sandy soils from the south of Oltenia**. *Acta Hort.* 1391, 15-22, DOI: 10.17660/ActaHortic.2024.1391.3, <https://doi.org/10.17660/ActaHortic.2024.1391.3>, Web of Science accession number **FSTA:2024-08-JK12671**
2. Diaconu, A., Paraschiv, A.N., Coteț, G., Bîrsoghe, C., Nanu, S. and Băjenaru, M.F. (2024). **The influence of climate changes on the productivity of potatoes (Solanum tuberosum) grown in the southern area of Oltenia**. *Acta Hort.* 1391, 645-652, DOI: 10.17660/ActaHortic.2024.1391.87, <https://doi.org/10.17660/ActaHortic.2024.1391.87>, Web of Science accession number: **CABI:20240278716**
3. Gheorghe COTEȚ, Aurelia DIACONU, Alina PARASCHIV, Cristina BÎRSOGHE, 2024. **Evaluation of the productive potential of some early potato genotypes on the sandy soils of southern Oltenia**, *Annals of the University of Craiova - Agriculture, Montanology, Cadastre Series*, vol. 54/1/2024, pp. 73-81, <https://anale.agro-craiova.ro/index.php/aamc/article/view/1539/1458>.
4. Sfirloagă, L.M., Nanu, Ș., Diaconu, A., Frătuțu, F. and Ilina, M.D. (2024). **The behavior of the long pepper genotype "L-28" (Capsicum annuum) in pedo-climatic conditions from Dăbuleni RDSPCS**. *Acta Hort.* 1391, 29-34, DOI: 10.17660/ActaHortic.2024.1391.5, <https://doi.org/10.17660/ActaHortic.2024.1391.5>
5. Milica DIMA, Reta DRĂGHICI*, Aurelia DIACONU, Ștefan NANU, Florentina NETCU, Emilia CONSTANTINESCU, 2023. **The study of genetic variability within the collection of peanuts grown on the sandy soils of southern Oltenia**, *Annals of the University of Craiova - Agriculture, Montanology, Cadastre Series*, Vol. 53/1/2023, p. 91-96, <https://doi.org/10.52846/aamc.v53i1.1442>, <https://anale.agro-craiova.ro/index.php/aamc/article/view/1442/1367>
6. Milica Dima, Aurelia Diaconu, Reta Drăghici, Irina Titirică, Florentina Netcu, Alina Paraschiv, 2022. **Correlation between fresh mass and dry mass of some medicinal and aromatic plant species grown on sandy soils**, *Annals of the University of Craiova -Agriculture, Montanology, Cadastre Series*, Vol. 52/1/2022, <https://anale.agro-craiova.ro/index.php/aamc/article/view/1322/1243>.
7. Băjenaru Maria-Florentina, Diaconu Aurelia, Nanu Ștefan, Bîrsoghe Cristina, Paraschiv Alina, Sfirloagă Loredana, Dima Milica, Rățoi Iulian, 2022. **The behavior of some vine varieties with white grapes in the ampelographic collection of SCDCPN Dăbuleni**, Vol. 27 No. 63 (2022): ANNALS OF THE UNIVERSITY OF CRAIOVA, Biology, Horticulture, Food products processing technology, Environmental engineering, pp. 29-34, <https://anale-horticultura.reviste.ucv.ro/index.php/bihpt/article/view/4/8>.
8. Loredana-Mirela Sfirloagă, Ștefan Nanu, Aurelia Diaconu, Maria Diana Șerban, Maria Florentina Băjenaru, Cristina Bîrsoghe, Felicia Frătuțu, Milica Dima, 2022. **The behavior of some tomato genotypes under conditions of thermal-hydric stress in the sandy soil area**. ANNALS OF THE UNIVERSITY OF CRAIOVA, Vol. XXVII (LXIII) – 2022, pp. 341-346. DOI:

- <https://doi.org/10.52846/bihpt.v27i63.56>, <https://anale-horticultura.reviste.ucv.ro/index.php/bihpt/article/view/56/59>
9. Boiu-Sicuia Oana-Alina, **Diaconu Aurelia**, Paraschiv Alina, Cornea Călina Petruța, 2022. **Bacterial endophytes as potential biocontrol agents against sweet potato pathogens**, Oltenia. Studii si comunicari. Stiintele Naturii, 38, pp. 68-74, http://olteniastudiisicomunicaristiintelenaturii.ro/cont/38_2/II.%20VEGETAL%20BIOLOGY/9.Boiu-Sicuia.pdf.
 10. Nanu Ștefan, Paraschiv Alina-Nicoleta, Sfirloagă Loredana Mirela, **Diaconu Aurelia**, Frățuțu Felicia, Ciuciuc Elena, Băjenaru Maria-Florentina, Bîrsoghe Cristina, Șerban Maria, 2022. **The evolution of the watermelon culture over time**, Vol. 27 No. 63 (2022): ANNALS OF THE UNIVERSITY OF CRAIOVA, Biology, Horticulture, Food products processing technology, Environmental engineering, pp. 253-258, <https://anale-horticultura.reviste.ucv.ro/index.php/bihpt/article/view/41/40>.
 11. Bîrsoghe Cristina, Nanu Ștefan, **Diaconu Aurelia**, Paraschiv Alina-Nicoleta, Sfirloagă Loredana-Mirela, Băjenaru Maria-Florentina, Șerban Maria-Diana, Dima Milica, 2022. **Research on the behavior of some genotypes of garden beans on the sandy soils of southern Oltenia**, ANNALS OF THE UNIVERSITY OF CRAIOVA, Series: Biology, Horticulture, Food products processing technology, Environmental engineering, Vol. XXVII (LXIII) – 2022, pp. 75-80, <https://anale-horticultura.reviste.ucv.ro/index.php/bihpt/article/view/14/22>.
 12. Titirică Irina, Dima Milica, **Diaconu Aurelia**, Paraschiv Alina-Nicoleta, Netcu Florentina, Nanu Ștefan, 2022. **The use of compost obtained from sewage sludge, as fertilizer in a peach orchard**, Fruit Growing Research, Vol. XXXVIII, 2022, DOI 10.33045/fgr.v38.2022.19, <https://publications.icdp.ro/publicatii/lucrari%202022/19.Titirica%20Irina.pdf>.
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VI. PATENTS AND APPROVALS

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VII. Elaborate technologies

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2. Iulian Drăghici, Reta Drăghici, **Aurelia Diaconu**, Mihaela Croitoru, Alina Nicoleta Paraschiv, Elena Ciuciuc, Milica Dima, Iulian Răţoi, Maria Florentina Băjenaru, Daniel Ciuciuc, 2021. ***The technology of cultivating sorghum for grains on sandy soils in southern Oltenia***, ISBN: 978-606-14-1733-9, Publishing house Universitaria, Craiova.
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18. **Diaconu Aurelia**, Vârcan Paul, Săninouiu Marin, Rotaru Liviu, 2005. **Potato cultivation technology for early consumption**, "Rapid Impact" Program, National Agricultural Consultancy Agency, Bucharest
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VIII. AWARDS, DIPLOMAS

1. **AGIR 2023 "Elisa Leonida Zamfirescu"** Award, September 13, 2024, dedicated to women engineers for professional excellence.
2. **DIPLOMA AGIR 2022, Agricultural and Forestry Engineering Section**, Bucharest, September 14, 2023, for the paper: *Restoring the production capacity and protection of agroecosystems in the sandy soil area by promoting in culture some plant species tolerant to thermohydric stress, rye, sorghum, beans*. ISBN 978-606-11-8228-2, 254 pps, SITECH Publishing House, Craiova, 2022. Coordinators: Reta Drăghici, Georgeta Ciurescu, Gheorghe Matei; Authors: **Aurelia Diaconu**, Ștefan Nanu, Mirela Paraschivu, Iulian Drăghici, Alina Paraschiv, Mihaela Croitoru, Milica Dima, Maria Băjenaru, Florentina Netcu, Daniela Ilie.
3. **„CONSTANTIN SANDU ALDEA"** Prize of the ACADEMY OF AGRICULTURAL AND FORESTRY SCIENCES Bucharest, November 29, 2023, for the work: *Restoring the production capacity and protection of agroecosystems in the sandy soil area by promoting in culture some plant species tolerant to thermohydric stress, rye, sorghum, beans*. ISBN 978-606-11-8228-2, 254 pps, SITECH Publishing House, Craiova, 2022; Authors: Reta Drăghici, Georgeta Ciurescu, Gheorghe Matei, **Aurelia Diaconu**, Ștefan Nanu, Mirela Paraschivu, Iulian Drăghici, Alina Paraschiv, Mihaela Croitoru, Milica Dima, Maria Băjenaru, Florentina Netcu, Daniela Ilie.
4. **"Ernest Grințescu"** Award, 6.10.2023, for the work *"Use of compost obtained from sewage sludge in fruit growing. Norms and restrictions"*. Authors: Nicola Claudia, Nagy Mihaela, Giță Gina, Iamandei Maria, **Diaconu Aurelia**, Titirică Irina.

IX. LIST OF PROJECTS

1. National and international projects won as project director

Title	Financing source	Period	Coordinating institution
National Projects			
Project 3421 - Measures to improve the efficiency of early potato cultivation under sustainable agricultural conditions.	MEC/ RELANSIN	2000 – 2003	Mârşani Potato Research and Development Station
Project 2479 - Measures to limit the effect of thermohydric stress on potatoes	MEC/ AGRALI	2004 – 2006	Mârşani Potato Research and Development Station
Project 2159 - Evaluating the effect of global warming on the safety of potato production by monitoring physiological reactions at the plant and crop level.	ANCS/ PN II	2007- 2010	Research and Development Center for Plant Culture on Dabuleni Sands
ADER Project 2.2.2: "Development of sweet potato cultivation technologies in the context of climate change and development of measures to promote the crop in Romania"	Sectoral Program/ MADR	2015 - 2018	Research and Development Center for Plant Culture on Dabuleni Sands
Project: "Restoration of the fish potential of the Călăraşi research station pond"	PNDR /Operational Programme for Fisheries 2007 - 2013	2015- 2016	Research and Development Center for Plant Culture on Dabuleni Sands
ADER 7.3.4.: Research on in vitro selection to identify, multiply and promote sweet potato genotypes with tolerance to thermohydric stress.	Sectoral Program/ MADR	2019- 2022	Research and Development Station for Plant Culture on Dăbuleni Sands

International Projects			
Contract No. 201305-7 Bilateral Cooperation concluded between Kyungpook National University (KNU) of South Korea and the Academy of Agricultural and Forestry Sciences "Gheorghe Ionescu Sișești" Bucharest / CCDCPN Dăbuleni. Study on the behavior of some sweet potato genotypes in the ecological conditions of sandy soils at CCDCPN Dăbuleni	CCDCPN Dăbuleni /The Institute for Agricultural Sciences and Technology of Kyungpook National University	2013-2014	Research and Development Center for Plant Culture on Dabuleni Sands
Contract no. 1403/16.09.2015 CCDCPN Dăbuleni/ Love of Soil Machinery Co Ltd Republic of Korea <i>"Research on the behavior of some sweet potato varieties on irrigated psamosols in Oltenia"</i>	Bilateral Cooperation Romania - Korea	2015-2016	Research and Development Center for Plant Culture on Dabuleni Sands

2. National projects - contribution as a member of the research team

Title	Financing source	Period	Coordinating institution
Creation and identification of new varieties for consumption and industrialization resistant to black scab with low resistance to unfavorable biotic and environmental factors, with high production capacity, constant in time and space	MEC/Horizon 2000	1996 - 2000	National Institute for Research and Development for Potato and Sugar Beet Braşov
Project 1062 - Modernization of irrigation technology for early potatoes	MEC/Agral	2001-2004	Mărşani Potato Research and Development Station
Project 2481 - New technological solutions for potato protection against stolbur attack	MEC/Agral	2004-2006	Mărşani Potato Research and Development Station
P.S. 241 - Development of integrated control measures with minimal impact on the environment	MAPDR Sectoral projects	2006-2010	National Research and Development Institute for Agrochemistry, Environmental Protection Bucharest
P.S. 1.1.1 - Sustainable management of soil resources under the influence of anthropogenic pressures, in the context of adaptation to the regulations of the Community agricultural policies	MAPDR Sectoral projects	2006-2010	Research and Development Institute for Plant Protection Bucharest
CEEX: Project - Research on the particularities of the sustainable agriculture system carried out in different pedoclimatic and technological conditions in Oltenia	MEC: CEEX	2006-2008	University of Craiova
Project PN II, 52147 Research on the substantiation and development of the technology for cultivating watermelons with grafted plants, to obtain biological production in areas with sandy	ANCS/PN II	2008-2011	Research and Development Center for Plant Culture on Dabuleni Sands

soils.			
Project no. 40-6 - Bilateral Cooperation, Romania – China, "Research on the management of nutrient application to the main crops", according to the MCT decision, Contract 498/2011	ANCS/ Capacities	2011-2012	Research and Development Center for Plant Culture on Dabuleni Sands
ADER Project 5.3.3 - Improving the production offer of agroecosystems on psamosols to increase the degree of food security and quality of primary agricultural products	MADR/ Sectoral	2011-2014	Research and Development Center for Plant Culture on Dabuleni Sands
ADER Project 5.3.1. Improving potato crop management at the farm level by promoting a decision support system (DSS) based on continuous resource monitoring	MADR/ Sectoral	2011-2014	INCDCSZ Braşov
ADER Project 5.1.2. Integrated protection of crops in crop rotations specific to agroforestry operations, farms that include grasslands with high ecological value, and Natura 2000 areas	MADR/ Sectoral	2011-2014	ICDPP Bucureşti
"Improving the fertility of sandy soils and increasing the efficiency of technical nutrient management for the main crops on sandy soils"	CCDCPN Dăbuleni/ Institute of Agro- Resources and Environment Shijiazhaung, Hebei, China	2014 -2016	CCDCPN Dăbuleni
ADER 1.1.3: "Creating sunflower hybrids with improved resistance to drought and extreme temperatures"	MADR/ Sectoral	2015- 2018	INCDCPT Fundulea
ADER 2.1.1. Obtaining new potato varieties adapted to climatic and economic changes with superior efficiency in water resource management and establishing technological packages specific to current market requirements and farmers' requests	MADR/ Sectoral	2015- 2018	National Institute for Research and Development for Potato and Sugar Beet Braşov (INCDCSZ)
ADER 3.3.7. Optimization of grafting of vegetable species with a share in the crop, to improve productivity and fruit quality, under the conditions of increasing biotic and abiotic stress factors	MADR/ Sectoral	2015- 2018	ICDCLF Vidra
ADER 3.1.4 Regeneration, multiplication, and characterization of local vegetable varieties with unique characteristics	MADR/ Sectoral	2015- 2018	Suceava Gene Bank
ADER 4.1.4. Integrated technologies for the prevention and control of harmful organisms in agricultural and horticultural plants with minimal resource consumption	MADR/ Sectoral	2015- 2018	ICDPP Bucharest
ADER 16.3.1 Research on establishing the influence of applying new conservative systems and technologies of mechanized agricultural work to combat the effects of drought, preserve soil fertility, and increase the quantitative and qualitative production of the main cultivated plant species	MADR/ Sectoral	2015- 2018	SCDA Suceava

ADER 5.1.3 - Identification and promotion of technological measures for the higher valorization of the production obtained from sweet potato - Ipomea batatas cultivated in Romania, to obtain products rich in nutrients and safe for consumers	MADR/ Sectoral	2023-2026	Research and Development Station for Plant Culture on Dăbuleni Sands
ADER 6.3.2: Contributions to the efficiency of natural resources in areas subject to aridification by introducing exotic plant species into cultivation	MADR/ Sectoral	2023-2026	Research and Development Station for Plant Culture on Dăbuleni Sands
ADER 5.1.1: Research on the impact of climate change on potato cultivation in traditional areas to reconfigure optimal cultivation areas by the EU "GREEN DEAL" strategy and to identify and model the new potato ideotype with tolerance/resistance to climate change	MADR/ Sectoral	2023-2026	National Institute for Research and Development for Potato and Sugar Beet Braşov (INCDCSZ)
ADER 2.1.1: Drone-based monitoring and early warning system for the management of soil pests in corn and sunflower crops"	MADR/ Sectoral	2023-2026	ICDPP Bucharest

March, 2025
Dr. eng. Diaconu Aurelia