

CURRICULUM VITAE

Kyriakos D. Giannoulis

Dr. Agronomist

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1. Personal Data

Name/Surname: Kyriakos Giannoulis

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2. Studies

2.2.1 1999 – 2005: Diploma in Agronomy. Department of Agriculture Crop Production and Rural Environment, University of Thessaly. (3 + 2 years Msc-equivalent in Agricultural Crop Production)

Diploma Degree: 6,98.

2.2.2 2005-2008: MSc in “Automation in Irrigation, Agricultural Constructions and Mechanization of Agriculture”. Department of Agriculture Crop Production and Rural Environment, University of Thessaly.

Degree: 8,51.

2.2.3 2006-2009: MSc in “Plant Sciences” with specialization in “Crop Sciences”, University of Wageningen.

2.2.4 2009–2014: Phd in Agricultural Sciences. Department of Agriculture Crop Production and Rural Environment. University of Thessaly. Subject: "Switchgrass as an energy plant: adaptability in central Greece."

In the present study was investigated the adaptability of the perennial plant switchgrass (*Panicum virgatum* L.) in central Greece, under reduced irrigation inputs and different N-fertilization levels. The study focuses on land use systems in Thessaly, as it is the largest plain and the center of Greek agricultural production.

It was investigated crop growth and biomass yield for the production of bio-fuels and cattle feed. The N-P-K uptake of the harvested crop was determined according to the desired final product (cattle feed or bio-fuels). Moreover, it

was investigated switchgrass use as phyto-remediation to nitro contaminated soils, and the effect of the different treatments and the harvesting time on the calorific value and ash content of the biomass. Finally, it was investigated the economics of cultivation for different uses, which will help to the future planning of land use systems and product use.

Degree: Excellent (10).

2.2.5 21/5/2019: Certificate of Equivalence - Correspondence of the Degree of the Department of Agriculture, Plant Production and Rural Environment of the School of Agricultural Sciences with the Degree of Unified and Integral Master's Degree (Integrated Master) Degree in the specialty of the Department, level 7 of the European level.

2.2.6 2018-2019: Certificate of Pedagogical and Teaching Adequacy (EPPAIK) of the Higher School of Pedagogical and Technological Education (ASPANTE).
Certificate degree: 9.9.

Thesis: "Education and Labor Market".

3. Research Interests

- Cultivation of Energy Crops.
- Cultivation of Aromatic and Medicinal Plants.
- Industrial crops cultivation.
- Legumes cultivation.
- Cultivation of animals' feed production crops
- Cereals cultivation.

4. Discriminations / memberships

4.1 1994-1995: 3rd fellow in the Mathematic Company of Thessaly.

- 4.2 2003-2004:** 3rd award in the 1st Competition of Business Plans of Young People in Thessaly. The subject of the business plan: “Manufacture and Marketing of Biomass for Heating Greenhouses”.
- 4.3 2003-2004:** Award of Business Idea in the Panhellenic Competition: «Ideapolis».
- 4.4 2014-2015:** Diploma: TOPPS –WATER PROTECTION COURSE (DiSAFA – University of Torino 15/18 June 2015, Grugliasco, Italy).
- 4.5 2018-2021:** Scholar (postdoctoral research) of the program with code “5732” and title "Creation of feed production protocols adapted to the breeding of dairy cows (CROPFEED) - Laboratory of Agriculture and Applied Plant Physiology" from 22/11/2018 to 22/4/2021.

5. Languages

English:

- 5.1** Certificate of Competency in English (12/5/2005, The University of Michigan).
- 5.2** Wageningen University the Netherlands). Proficiency Adequacy (due to two-year Master's degree in English, M.Sc. Wageningen University the Netherlands).

French:

- Communication skills

6. PC Knowledge

- 6.1** Certificate of Knowledge of Computer Use, University of Thessaly.
- MS-DOS, Windows, MS Office (Word, Excel, Power Point), MS-Teams, Statistical Packets (MSTAT-C, GenStat).

7. Professional Experience

- 7.1 7/2002-8/2002:** Practical Exercise in agribusiness (Agroefodia Kalogiros, Larissa, Greece).
- 7.2** Research Assistant of the Laboratory of Agronomy and Applied Crop Physiology, Department of Agriculture Crop Production and Rural Environment of the University of Thessaly. Subject of research: "Influence of plant density and N-fertilization on the growth and biomass productivity of *Cynara cardunculus* (energy crop) under central Greek conditions" (Responsible Prof. Dr. N. G. Danalatos).
- 7.3** Participation in the scientific program with code "2885" and title "Biomass production chain and growth model for KENAFENK6-CT2001-00524 QLK5-CT-2002-01729". Responsible Prof.: Dr. Danalatos Nikolaos, Professor, Department of Agriculture, Crop Production and Rural Environment, University of Thessaly.
- 7.4 1/6/2004 - 31/12/2004:** Participation in the scientific program with code "2885" and title "Biomass production chain and growth model for KENAFENK6-CT2001-00524 QLK5-CT-2002-01729". Responsible Prof.: Dr. Danalatos Nikolaos, Professor, Department of Agriculture, Crop Production and Rural Environment, University of Thessaly.
- 7.5 1/6/2007 - 31/12/2007:** Participation in the program with code "3442" and title "Creation of innovative crops of demonstrative character for the documentation of the possibility of tobacco growers to turn to the cultivation of energy plants". Responsible Prof.: Dr. Danalatos Nikolaos, Professor, Department of Agriculture, Crop Production and Rural Environment, University of Thessaly.
- 7.6 3/2009 - 4/2009:** Worked to the Energy Centre of Netherlands during the period 30/3/2009 to 15/4/2009 for a Short Term Scientific Mission within the COST scientific program on **Assessing and Managing Nitrogen Fluxes in the Atmosphere-Biosphere System in Europe**.
- 7.7 Academic years 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013, 2013-2014:** Participation throughout the postgraduate MSc and Phd, in the conduct of workshops and lectures in the following courses of the Laboratory of

Agronomy and Applied Crop Physiology, Department of Agriculture Crop Production and Rural Environment, University of Thessaly.

Undergraduate Courses: General Agronomy, Specific Agriculture I, Specific Agriculture II, Agricultural Experimental Design, Introduction to crop growth modeling.

Postgraduate courses: Organic farming and Organic production systems, Sustainable cropping systems for food and bio-energy production, Crop growth modeling and yield forecast.

- 7.8 1/5/2009 - 31/8/2009:** Participation in the program with code “3858” and title “*Production of cardoon seeds for biodiesel production and cultivation of highly productive cardoon crop for solid biofuel production in Romania (CYNFUEL)*”. Responsible Prof.: Dr. Danalatos Nikolaos, Professor, Department of Agriculture, Crop Production and Rural Environment, University of Thessaly.
- 7.9 1/6/2009 - 31/8/2009:** Participation in the program with code “4056” and title “Enhancing the mobility of the Department of PhD (PhD Candidates) of the Department of Agriculture (Crop Production and Rural Environment)”. Responsible Prof.: Dr. Sakellariou-Makrantonaki Maria, Professor, Department of Agriculture, Crop Production and Rural Environment, University of Thessaly.
- 7.10 1/4/2010 - 1/3/2012:** Participation in the program with Code. 4105 and title “Prospects for the cultivation of an improved variety of wild artichoke for biomass and energy production with parallel improvement of soils and landfill areas in the prefecture of Kozani”. Responsible Prof.: Dr. Danalatos Nikolaos, Professor, Department of Agriculture, Crop Production and Rural Environment, University of Thessaly.
- 7.11 1/7/2010 - 31/12/2010:** Participation in the program with code “4012” and title “Sustainable management of soil and water resources of Thessaly with the aim of optimal agricultural production”. Responsible Prof.: Dr. Dalezios Nikolaos, Professor, Department of Ichthyology and Aquatic Environment, University of Thessaly.
- 7.12 1/3/2011 - 31/7/2011:** Participation in the program with code 4259 and title “*NOVAGRIMED*”. Responsible Prof.: Dr. Gousios Dimitrios, Professor, Department of Planning and Regional Development, University of Thessaly.

- 7.13 1/10/2011 - 30/11/2011:** Participation in the program with code “4258” and title "Study of the effect of fertilizer types on the growth and productivity of maize, cotton and industrial tomatoes in Thessaly". Responsible Prof.: Dr. Danalatos Nikolaos, Professor, Department of Agriculture, Crop Production and Rural Environment, University of Thessaly.
- 7.14 1/10/2014 - 31/12/2015:** Participation in the program with code “4808” and title “*Study of the effect of different fertilizer types on the productivity of durum wheat, maize and cotton in Thessaly*”. Responsible Prof.: Dr. Danalatos Nikolaos, Professor, Department of Agriculture, Crop Production and Rural Environment, University of Thessaly.
- 7.15 10/11/2014 - 31/12/2015:** Postdoctoral Research - Agro-ETAK in ELGO-DEMETER with code “3204/51” and title “Implementation of Directive 91/676 / EEC in Greece. The problem of Nitrate Pollution of Agricultural Origin in Thessaly: additional actions and measures to address, implementation of Codes of Good Agricultural Practice”. Responsible Prof.: Dr. Karyotis Theodore.
- 7.16 12/3/2015 - 31/7/2015:** Entrust teaching under contract 407/80, of the course "Aromatic-Medicinal Plants and Plants for Energy Production" (2 hours per week) in the Department of Agriculture Crop Production and Rural Environment, University of Thessaly.
- 7.17 1/12/2015 - 19/2/2016:** University Fellow at TEI of Thessaly, Department of Crop Production for the winter semester of the academic year 2015-2016 of the course: "Organic Agriculture". (Laboratory Courses)
- 7.18 15/2/2016 - 30/6/2016:** University Fellow at the University of Thessaly, Department of Agriculture Crop Production and Rural Environment during the spring semester of the academic year 2015-2016 of the course: "Aromatic-Medicinal Plants and Plants for Energy Production".
- 7.19 1/6/2016 - 31/12/2016:** Participation in the program with code “5105” and title “*AgriBMPs – Water protection and Best Management Practices with emphasis on Plant Restriction Zones: a demonstration of expediency in Thessaly*”. Responsible Prof.: Dr. Athanasiou Christos, Professor, Department of Agriculture, Crop Production and Rural Environment, University of Thessaly.

- 7.20 26/2/2016 - 1/7/2016:** University Fellow at TEI of Thessaly, Department of Crop Production for the spring semester of the academic year 2015-2016 of the courses: "Sustainable Agriculture and Environment", "Aromatic-Medicinal Plants", "Legumes-Forage Plants". (Laboratory Courses)
- 7.21 3/11/2016 - 10/2/2017:** University Fellow at TEI of Thessaly, Department of Crop Production for the winter semester of the academic year 2016-2017 of the courses: "General Agriculture", "Cereal Plants". (Laboratory Courses)
- 7.22 21/2/2017 - 30/6/2017:** Acquiring Academic Teaching Experience in New Scientists Doctoral students at the University of Thessaly, in the course "Aromatic-Medicinal Plants and Plants of Energy Production". Scientific officer Sfouggaris Athanasios.
- 7.23 2/5/2017 - 30/6/2017:** Academic Fellow at TEI of Thessaly, Department of Crop Production for the spring semester of the academic year 2016-2017 of the courses: "Sustainable Agriculture and Environment", "Aromatic-Medicinal Plants", "Industrial and Energy Plants". (Laboratory Courses)
- 7.24 19/10/2017 - 9/2/2018:** Academic Fellow at TEI of Thessaly, Department of Crop Production for the winter semester of the academic year 2017-2018 of the courses: "General Agriculture", "Cereal Plants". (Laboratory Courses)
- 7.25 15/11/2017 - 31/8/2019:** Lecturer - external collaborator within the program with code. "6009" and title "P.M.S. - Integrated Management of Aromatic and Medicinal Plants", of the Department of Technological Agriculture, former TEI of Thessaly. Teaching courses: "Cultivation of medicinal and aromatic plants", "Production of Propagating Material, Improvement and Identification", "Management of Medicinal and Poisonous Plants of the Greek Flora", "Biostatistics - Agricultural Experimentation - Seminars" "Production of Essential Oils". Responsible Prof.: Dr. Wogiatzi – Kamvoukou Eleni, professor. (twenty 3 hour-lectures)
- 7.26 21/2/2018 - 30/6/2018:** Acquiring Academic Teaching Experience in New Scientists Doctoral students at the University of Thessaly, in the course "Aromatic-Medicinal Plants and Plants of Energy Production". Scientific officer Sfouggaris Athanasios.

- 7.27 5/3/2018 - 29/6/2018:** Academic Fellow at TEI of Thessaly, Department of Crop Production for the spring semester of the academic year 2017-2018 of the courses: "Sustainable Agriculture and Environment", "Aromatic-Medicinal Plants", "Industrial and Energy Plants". (Laboratory Courses)
- 7.28 1/3/2018 - 31/3/2018:** Participation in the program with code "5314" and title "Study of the effect of fertilizer types on productivity and quality of durum wheat and barley in Thessaly". Responsible Prof.: Dr. Danalatos Nikolaos, Professor, Department of Agriculture, Crop Production and Rural Environment, University of Thessaly.
- 7.29 26/10/2018 - 8/2/2019:** Academic Fellow at TEI of Thessaly, Department of Crop Production for the winter semester of the academic year 2017-2018 of the courses: "General Agriculture", "Cereal Plants". (Laboratory Courses)
- 7.30 22/11/2018 - 30/6/2020:** Scholar (postdoctoral research) of the program with code "5732" and title "Creation of feed production protocols adapted to the breeding of dairy cows (CROPFEED) - Laboratory of Agriculture and Applied Plant Physiology". Responsible Prof.: Dr. Danalatos Nikolaos, Professor, Department of Agriculture, Crop Production and Rural Environment, University of Thessaly.
- 7.31 25/1/2019 - 31/8/2019:** Lecturer - external collaborator within the program with code "6008" and title "P.M.S. - Integrated Management of Aromatic and Medicinal Plants", of the Department of Technological Agriculture, former TEI of Thessaly. Teaching courses: "Biostatistics - Agricultural Experimentation" and "Production of Essential Oils" (fifteen three-hour lectures)
- 7.32 4/2/2019 - 30/6/2019:** Acquiring Academic Teaching Experience in New Scientists Doctoral students at the University of Thessaly, in the course "Aromatic-Medicinal Plants and Plants of Energy Production". Scientific officer: Dr. Fthenakis George, Professor.
- 7.33 25/2/2019 - 28/6/2019:** Academic Fellow at TEI of Thessaly, Department of Crop Production for the spring semester of the academic year 2018-2019 of the courses: "Sustainable Agriculture and Environment", "Aromatic-Medicinal Plants". (Laboratory Courses)

- 7.34 11/12/2019 - 27/12/2019:** Participation in the program with code “5692” and title "Study of the effect of phosphate fertilizer types on productivity and quality of maize and cotton in Thessaly". Responsible Prof.: Dr. Danalatos Nikolaos, Professor, Department of Agriculture, Crop Production and Rural Environment, University of Thessaly.
- 7.35 3/2/2020 - 30/6/2020:** Acquiring Academic Teaching Experience in New Scientists Doctoral students at the University of Thessaly, in the course "Aromatic-Medicinal Plants and Plants of Energy Production". Scientific officer: Dr. Fthenakis George, Professor.
- 7.36 2018-2019:** Invited Lecturer of P.MS. "Sciences and Systems of Sustainable Plant Production" of the Department of Agriculture, Plant Production and Rural Environment, University of Thessaly. Teaching course: "Cultivation of Aromatic & Medicinal Plants" on the dates: 20/2/2019, 20/3/2019, 22/5/2019 and 27/6/2019. (two three hour-lectures and two six hour-lectures)
- 7.37 2019-2020:** Invited Lecturer of P.MS. "Sciences and Systems of Sustainable Plant Production" of the Department of Agriculture, Plant Production and Rural Environment, University of Thessaly. Teaching course: "Cultivation of Energy Generating Plants" on the dates: 24/10/2019, 8/1/2020, 9/1/2020, 16/1/2020 and 22/1/2020 and the course: "Cultivation of Aromatic and Of Medicinal Plants ”on the dates 17/2/2020, 24/2/2020, and 2/3/2020. (Seven three-hour lectures and one six-hour)
- 7.38 2019-2020:** Invited Lecturer of P.MS. "Sciences and Systems of Sustainable Plant Production" of the Department of Agriculture, Plant Production and Rural Environment, University of Thessaly. Teaching course: "Cultivation of Aromatic and Medicinal Plants" on the dates 11/5/2020, 18/5/2020, 25/5/2020 and 1/6/2020. (Four three-hour lectures)

After the Election of Assistant Professor

- 7.39 28/08/2020 - 30/11/2020:** Scholar (postdoctoral research) of the program with code “5732” and title "Creation of feed production protocols adapted to the breeding of dairy cows (CROPFEED) - Laboratory of Agriculture and Applied Plant Physiology". Responsible Prof.: Dr. Danalatos Nikolaos, Professor,

Department of Agriculture, Crop Production and Rural Environment, University of Thessaly.

7.40 22/2/2021 - 23/4/2021: Acquiring Academic Teaching Experience in New Scientists Doctoral students at the University of Thessaly, in the course "Aromatic-Medicinal Plants and Plants of Energy Production". Scientific officer: Dr. Fthenakis George, Professor.

7.41 10/03/2021 - 22/04/2021: Scholar (postdoctoral research) of the program with code "5732" and title "Creation of feed production protocols adapted to the breeding of dairy cows (CROPFEED) - Laboratory of Agriculture and Applied Plant Physiology". Responsible Prof.: Dr. Danalatos Nicholas, Professor, Department of Agriculture, Crop Production and Rural Environment, University of Thessaly.

8. Administrative Experience-Activity

8.1 Postdoctoral Research - Agro-ETAK in ELGO-DIMITRA

8.2 Member of the Organizing Committee of the Special Thematic Symposium: "Vulnerable Agriculture of Thessaly: present - prospects", March 2, 2018, Larissa.

8.3 Consulting support to the company "AgriGas" since 2010. Electricity Generation Company as the main product from the use of crop residues and in the future from the use of energy crops and production of by-products such as agri-pellet and biochar.

- Vice President of the student association of the Department of Crop Production & Rural Environment, University of Thessaly for acad. year 2000 - 2001.
- President of the student association of the Department of Agriculture, Crop Production & Rural Environment, University of Thessaly, for the acad. year 2001 - 2002.
- Student representative of the Department of Agriculture, Crop Production & Rural Environment in the Senate of the University of Thessaly, for the acad. year 2001 - 2002.

9. Educational Experience-Activity

- 9.1 Teaching in the Undergraduate Program of the Department of Agriculture, Plant Production and Rural Environment of the University of Thessaly during the academic years 2014-2015, 2015-2016, 2016-2017, 2017-18, 2018-19 and 2019-20
- 9.2 Teaching in the Postgraduate Program "Sciences and Systems of Sustainable Crop Production" of the Department of Crop Production and Rural Environment of the University of Thessaly during the academic years 2018-2019 and 2019-2020.
- 9.3 Teaching in the Undergraduate Program of the Department of Agronomy of ATEI Thessaly during the academic years 2014-2015, 2015-2016, 2016-2017, 2017-18 and 2018-19.
- 9.4 Teaching in the primary and secondary cycle of the Postgraduate Program "Integrated Management of Aromatic and Medicinal Plants", of the Department of Agronomy of former TEI of Thessaly during the academic years 2017-2018, and 2018-2019.
- 9.5 Member of the three-member examination-advisory committee in 11 Theses.
- 9.6 Member of the three-member examination-advisory committee in 3 Postgraduate Theses.

10. Member of Companies-Chambers

- Geotechnical Chamber of Greece (GEOT.EE).
- Sempiflorence the Netherlands (Agricultural association in the Netherlands with international members for the period 2007 - 2011).
- Alumni of Wageningen University.

11. Conference Participation

- **2006:** International Conference, on Information Systems, Sustainable Agriculture, Agro-environment and Food technology, 20–23 September 2006, Volos, Greece (2 articles).
- **2007:** 15th European Biomass Conference & Exhibition from Research to Market Deployment, 07 - 11 May 2007, Berlin, Germany (2 articles).
- **2008:** International Conference on Agricultural Engineering & Industry Exhibition - AgEng 2008, 23-25 June 2008, Hersonissos – Crete, Greece (2 articles).
- **2009:** 17th European Biomass Conference & Exhibition from Research to Market Deployment, 07 - 11 May 2009, Hamburg, Germany (1 article).
- **2010:** 18th European Biomass Conference & Exhibition from Research to Market Deployment, 03 - 07 May 2010, Lyon, France (1 article).
- **2010:** 6th International Conference on Biomass for Energy, September 2010, Kyiv, Ukraine (1 article).
- **2011:** 6th International Congress of European Society for Soil Conservation, 9-14 May 2011, Thessaloniki, Greece (1 article).
- **2011:** 19th European Biomass Conference & Exhibition, 6-10 June 2011, Berlin, Germany (2 articles).
- **2011:** 12th International Symposium on Soil and Plant Analysis, June 2011, Chania, Crete, Greece (2 articles).
- **2012:** 20th European Biomass Conference & Exhibition, Milano, Italy, 18-22 June 2012 (3 articles).
- **2014:** International Congress on “Green Infrastructure and Sustainable Societies/Cities” (GreInsus’ 14). Environmental Management and Sustainability. 18 May 2014, Izmir, Turkey (1 article).
- **2015:** 8th International Conference on Sustainable Energy and Environmental Protection (SEEP 2015), 11-14 August 2015, at UWS Paisley Campus, Scotland (3 articles).
- **2016:** VII International Scientific Agricultural Symposium, Agrosym 2016, 6-9 October 2016, Jahorina, Bosnia-Herzegovina (1 article).

- **2017:** VIII International Scientific Agricultural Symposium, Agrosym 2017, 5-8 October 2017, Jahorina, Bosnia-Herzegovina (4 articles).
- **2017:** Sixth International Conference on Environmental Management, Engineering, Planning and Economics. 25-30 June, Thessaloniki, Greece (1 article).
- **2018:** 10th Conference on Medicinal and Aromatic Plants of Southeast European Countries, 20-24 May 2018, Split, Croatia (1 article).
- **2019:** X International Scientific Agricultural Symposium, Agrosym 2019, 3-6 October 2019, Jahorina, Bosnia-Herzegovina (7 articles).

12. Society Connection

- Seminar on training the production base for the objectives, the expected results - benefits and how to use them. Wednesday, June 24, 2015, Larissa Institute of Industrial & Livestock Plants.
- Final Training Day on the objectives and results - benefits of the AgroETAK project implemented at the Institute of Industrial & Livestock Plants of Larissa, University of Thessaly, Department of Plant Production and Rural Environment, November 18, 2015.
- Final Training Day on the objectives and results - benefits of the AgroETAK project implemented at the Institute of Industrial & Livestock Plants of Larissa, at the Municipal Store of the Local Community of Itea, the Municipal Unit of Fyllos, Municipality of Palamas, November 20, 2015
- Energy Plants: Present & future in Thessaly. Speech in the context of the event "Rural Woman-Peasant" organized by the 1st Soroptimistic Club of Volos and the HEN Volos Group. February 6, 2019.

13. Scientific Publications

13.1 Postgraduate Thesis (M.Sc.)

13.1.1 Giannoulis K. D., 2008. Effect of sowing time on growth, yield, oil characteristics and farmers' profit of sunflower in central Greece. Wageningen University, The Netherlands.

13.2 Ph.D. Thesis

13.2.1 Giannoulis K. D., 2014. Switchgrass as an energy plant: adaptability in central Greece. Doctoral Thesis, University of Thessaly, pp. 1-216 (xxiv, 216 p., Fig., Table, graph.). (<https://www.didaktorika.gr/eadd/handle/10442/40188>)

13.3 Publications in Internationally Recognized Scientific Journals with Reviewers

13.3.1 Giannoulis K.D., Vlontzos G., Karyotis T., Bartzialis D., Danalatos N.G., 2013. Economic Efficiency of Different Agricultural Practices of “*Panicum virgatum* L. (switchgrass)” for Fodder Production. *Journal of Agricultural Science* 5(12), 132-144. (Scopus) *Corresponding author*

13.3.2 Giannoulis K.D., Danalatos N.G., 2014. Switchgrass (*Panicum virgatum* L.) nutrients use efficiency and uptake characteristics, and biomass yield for solid biofuel production under Mediterranean conditions. *Biomass and Bioenergy* 68, 24-31. (Scopus) *Corresponding author*

13.3.3 Giannoulis K.D., Vlontzos G., Karyotis T., Bartzialis D., Danalatos N.G., 2014. Assessing the efficiency of switchgrass different cultural practices for pellet production. *Land Use Policy* 41: 506-513. (Scopus) *Corresponding author*

13.3.4 Giannoulis K.D., Karyotis T., Sakellariou-Makrantonaki M., Bastiaans L., Struik P.C., Danalatos N.G., 2016. Switchgrass biomass partitioning and growth characteristics under different management practices. *Wageningen Journal of Life Sciences*, 78, 61-67. (Scopus) *Corresponding author*

- 13.3.5** Gravalos I., Xyradakis P., Kateris D., Gialamas T., Bartzialis D., **Giannoulis K.**, 2016. An Experimental Determination of Gross Calorific Value of Different Agroforestry Species and Bio-Based Industry Residues. *Natural Resources*, 7, 57-68. (Indexes-Web of Science Clarivate Analytics)
- 13.3.6** **Giannoulis K.D.**, Bartzialis D., Skoufogianni E., Danalatos N.G., 2016. The use of urease inhibitor fertilizers (agrotain) and their effect on cereal crops and cotton yield. *AGROFOR International Journal*, 1(2), 77-87. (Indexes - ICI Copernicus) *Corresponding author*
- 13.3.7** Wogiatzi E., Chatzopoulou P., Gougoulis N., Sarrou E., Papachatzis A., **Giannoulis K.**, 2016. Effect of organic and chemical fertilizers on dry drogue yield, essential oil content and oil composition of *Matricaria chamomilla* L. in central Greece. *Annals of the University of Craiova (seria Biologie, Horticultură, Tehnologia Prelucrării Produselor Agricole, Ingineria Mediulu)*, Series: Biology, Horticulturae, Food produce processing technology, Environmental engineering, (Vol. XXI(LVII)), ISSN 1453 – 1275, pp. 247-252. (Indexes-Zoological Record, ICI Copernicus).
- 13.3.8** Wogiatzi E., Gougoulis N., Papachatzis A., Papadouli Z., Theodosiou V., **Giannoulis K.**, 2016. Effect of nitrogen fertilization level on yield, essential oil production, total phenolics content and antioxidant activity of *Rosmarinus officinalis* L. leaf and of the essential oil in central Greece. *Annals of the University of Craiova, (seria Biologie, Horticultură, Tehnologia Prelucrării Produselor Agricole, Ingineria Mediulu)*, Series: Biology, Horticulturae, Food produce processing technology, Environmental engineering (Vol. XXI(LVII)) ISSN 1453 – 1275, pp. 253-258. (Indexes-Zoological Record, ICI Copernicus)
- 13.3.9** **Giannoulis K.D.**, Bartzialis D., Skoufogianni E., Gravalos I., Xyradakis P., Danalatos N.G., 2017. *Panicum virgatum* L. Could Be an Alternative Environmental Friendly Feedstock for Energy Production. *SSRG International Journal of Agriculture & Environmental Science (SSRG-IJAES)*, 4 (1), 15-24. *Corresponding author*
- 13.3.10** **Giannoulis K.**, Bartzialis D., Skoufogianni E., Danalatos N., 2017. Nutrients Use Efficiency and Uptake Characteristics of *Panicum virgatum* for

Fodder Production. Journal of Agricultural Science, 9 (3), 233-244. (Indexes - ICI Copernicus) *Corresponding author*

- 13.3.11** Wogiatzi-Kamwoukou E., Gougoulis N., Papadouli Z., Theodosiou B., **Giannoulis K.D., 2017.** The Effect of N-Fertilization on *Rosmarinus officinalis* L. (an upright variety) Yield in Central Greece. Journal of Food Science and Engineering 7, 141-146. (Indexes-ICI Copernicus, David Publishing Company)
- 13.3.12** Skoufogianni E., Bartzialis D., **Giannoulis K.D.**, Kandri E., Danalatos N.G., **2017.** Seed germination rates of different cool season legumes. AGROFOR International Journal, 2(1), 35-40. (Indexes - ICI Copernicus) *Corresponding author*
- 13.3.13** Kamvoukou C.A., Gougoulis N., **Giannoulis K.**, Papathanasiou Th., Malamis A., **2017.** Effect of extraction temperatures and solvent on the antioxidant potential of green *Arabica* and *Robusta* coffee beans. Annals of the University of Craiova, (seria Biologie, Horticultură, Tehnologia Prelucrării Produselor Agricole, Ingineria Mediulu) Series: Biology, Horticulturae, Food produce processing technology, Environmental engineering (Vol. XXII (LVIII)) ISSN 1453 – 1275, pp179-184. (Indexes-Zoological Record, ICI Copernicus)
- 13.3.14** Wogiatzi E., Gougoulis N., **Giannoulis K.**, Miliakidi E.M., **2017.** Effect of residue green *Robusta* coffee, obtained after the removal of hot aqueous extract, on soil chemical properties. Annals of the University of Craiova, (seria Biologie, Horticultură, Tehnologia Prelucrării Produselor Agricole, Ingineria Mediulu), Series: Biology, Horticulturae, Food produce processing technology, Environmental engineering (Vol. XXII (LVIII))ISSN 1453 – 1275, pp. 335–340. (Indexes-Zoological Record, ICI Copernicus)
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- 13.3.38** Golia E.E., Angelaki A., **Giannoulis K.D.**, Skoufogianni E., Bartzialis D., Cavalaris C., Vleioras S., **2021**. Evaluation of soil properties, irrigation and solid waste application levels on cu and zn uptake by industrial hemp. *Agronomy Research* 18(1), 92–99. (Scopus)
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- 13.4.2** Hydraiou F., Pelekanos M., Giannoulis K., Bartzialis D., Kavalaris Ch., Vlontzos G., Athanassiou Ch., **2017**. Best practices of plant protection

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13.5 Publications at International Scientific Conferences

Publications at International Scientific Conferences with Reviewers (full text).

- 13.5.1** Danalatos N.G., Gintsioudis I.I., Skoufogianni E., **Giannoulis K.**, Chatzidimopoulos M., Gournezakis G., Alexopoulou E., Archontoulis S.V., **2006**. Three Years Kenaf Cultivation in Central Greece: Assessment and Future Perspectives. International Conference, on Information Systems, Sustainable Agriculture, Agro-environment and Food technology, to be held in Volos, Greece, September 20–23. pp. 382–386.
- 13.5.2** Danalatos N.G, Archontoulis S.V., **Giannoulis K.**, Rosakis S., **2006**. Miscanthus and Cardoon as Alternative Energy Crops for Solid Fuel production in Greece. HAICTA 2006, International Conference on: Information Systems in Sustainable Agriculture, Agroenvironment and Food Technology, Volos, Greece, 20 – 23 September 2006. pp. 387–397.
- 13.5.3** Danalatos N.G., Skoufogianni E., **Giannoulis K.**, Archontoulis S.V., **2007**. Responses of *Cynara cardunculus* to irrigation and N-fertilization in central Greece. 15th European Biomass Conference & Exhibition From Research to Market Deployment, International Congress Center, Berlin, Germany, 07 - 11 May 2007. pp 421-424.
- 13.5.4** Danalatos N.G, Tsiboukas K., Archontoulis S.V., **Giannoulis K.D.**, Rosakis S., **2007**. *Miscanthus* and *Cynara* As Alternative Energy Crop For Solid Bio-Fuel Production Under New Cap Conditions In Central Greece.15th European Biomass Conference & Exhibition From Research to Market Deployment, International Congress Center, Berlin, Germany, 07 - 11 May 2007. pp 417 – 420.
- 13.5.5** Danalatos N.G., Archontoulis S.V., **Giannoulis K.D.**, Pasxonis K., Tsalikis D., Pazaras B., Papadoulis N., **2008**. *Cynara*, Sunflower, Sweet and Fiber

Sorghum on-farm yields in North, Central and South Greece in 2007. International Conference on Agricultural Engineering & Industry Exhibition - AgEng 2008. pp. P-006.

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13.5.10 Giannoulis K.D., Danalatos N.G., Sakellariou M., **2011.** Switchgrass, Cardoon and *Miscanthus*, perennial crops as Alternatives for solid biofuel production in central Greece. 19thEuropean Biomass Conference & Exhibition, Berlin, Germany, 6-10 June 2011. pp 692 – 696. *Corresponding author*

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- 13.5.12** Giannoulis K.D., Molla A, Skoufogianni E., Dimirkou A., Danalatos N.G., **2012**. N-NO₃ Uptake by Switchgrass as a soil quality improvement index. 20th European Biomass Conference & Exhibition, Milano, Italy, 18-22 June 2012. pp 480 – 482. *Corresponding author*
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- 13.5.14** Skoufogianni E., Giannoulis K.D., Molla A., Mitsopoulou N., Dimirkou A., Danalatos N.G., **2012**. The effect of the energy crop “*Helianthus annuus* L.” to soil quality Improvement. 20th European Biomass Conference & Exhibition, Milano, Italy, 18-22 June 2012. pp 492 – 494.
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- 13.5.16** Bartzialis D., Skoufogianni E., Giannoulis K.D., Kakarantzas S., Kalkounou I., Danalatos N.G., **2015**. The Effect of Fertilizers Containing Urease Inhibitor (Agrotain) on Three Different Industrial Crops’ Productivity. 8th International Conference on Sustainable Energy and Environmental Protection (SEEP 2015), 11-14 August 2015, at UWS Paisley Campus, Scotland. pp 191-199. *Corresponding author*
- 13.5.17** Giannoulis K.D., Tziouvalekas M., Tsitouras A., Grypari P., Dragoidou A., Karyotis Th., **2015**. Content and Origin of Nitrates in Surface Waters Of Central Greece. 8th International Conference on Sustainable Energy and Environmental Protection (SEEP 2015), 11-14 August 2015, at UWS Paisley Campus, Scotland. *Corresponding author*
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13.5.20 Bartzialis D., Giannoulis K.D., Skoufogianni E., Damplia S., Tsakiridis K., Pavlakos E., Danalatos N.G., **2017**. The effect of different fertilization scenarios on productivity of wheat and barley. Agrosym 2017, VIII International Scientific Agricultural Symposium, Jahorina, 5-8 October 2017, Bosnia-Herzegovina. pp. 263-269. *Corresponding author*

13.5.21 Skoufogianni E., Giannoulis K.D., Bartzialis D., Tzouvara D., Danalatos N.G., **2017**. The effect of fertilization on *Lavandula angustifolia* L. yield in north Greece. Agrosym 2017, VIII International Scientific Agricultural Symposium, Jahorina, 5-8 October 2018, Bosnia-Herzegovina. ISBN 978-99976-718-1-3. pp. 1037-1043. *Corresponding author*

13.5.22 Kamperllari F., Skoufogianni E., Giannoulis K.D., Bartzialis D., Danalatos N.G., **2017**. Yield productivity of sage (*Salvia officinalis* L.) organic cultivation under different water and nitrogen inputs and plant populations in central Greece: first year results. Agrosym 2017, VIII International Scientific Agricultural Symposium, Jahorina, 5-8 October 2017, Bosnia-Herzegovina. pp. 1631-1636.

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13.5.28 **Giannoulis K.D.**, Wogiatzi-Kamwoukou E., Karakasis E., Karakasis A., Platis I., **2019**. Comparison of common fertilizers and fertilizers with nitrification inhibitor to yield and protein content on *Triticum durum*. Agrosym 2019, X International Scientific Agricultural Symposium, Jahorina, 3-6 October 2019, Bosnia-Herzegovina, pp. 288-294. *Corresponding author*

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13.5.31 Bartzialis D., **Giannoulis K.D.**, Skoufogianni E., Charvalas G., Kritsanos A., Siokas L., Danalatos N.G., **2020**. Nitrogen fertilization effect on biomass yield of six different *Sorghum bicolor* varieties. HAICTA 2020. Proceedings of the 9th International Conference on Information and Communication Technologies in Agriculture, Food and Environment. Thessaloniki, September 24-27, Greece, pp. 532-541. *Corresponding author.*

13.5.32 Wogiatzi E., **Giannoulis K.D.**, Tsachtanis A., Kamvoukou C.A., Demiri E., Gougoulis N. **2020**. The effect of organic fertilizers and biostimulants on oregano (*Origanum vulgare*) yield and essential oil. HAICTA 2020. Proceedings of the 9th International Conference on Information and Communication Technologies in Agriculture, Food and Environment. Thessaloniki, September 24-27, Greece, pp. 560-565. *Corresponding author.*

13.5.33 Gintsioudis I., Skoufogianni E., Bartzialis D., **Giannoulis K.D.**, Danalatos N.G., **2020**. Diurnal variations in leaf - air temperature and vapor pressure deficit of sunlit and shaded kenaf leaves. HAICTA 2020. Proceedings of the 9th International Conference on Information and Communication Technologies in Agriculture, Food and Environment. Thessaloniki, September 24-27, Greece, pp. 574-579.

Publications at International Scientific Conferences with Reviewers (abstract).

13.5.34 **Giannoulis K.D.**, Molla A., Dimirkou A., Danalatos N., **2011**. The effect of Zeolite Bentonite mix to soil quality improvement of different soil types. 6th International Congress of European Society for Soil Conservation, Thessaloniki, Greece, May 2011. pp 34. *Corresponding author*

13.5.35 **Giannoulis K.D.**, Molla A., Dimirkou A., Karyotis T., Danalatos N., **2011**. N-NO₃ uptake by switchgrass and sunflower as a peat soil quality improvement index. 12th International Symposium on Soil and Plant Analysis, Chania, Crete, Greece, June 2011. pp 122. *Corresponding author*

- 13.5.36** **Giannoulis K.D.**, Molla A., Dimirkou A., Karyotis T., Danalatos N., **2011**. The effect of zeolite-bentonite mixture on soil quality and crop productivity. 12th International Symposium on Soil and Plant Analysis, Chania, Crete, Greece, June 2011. pp 121. *Corresponding author*
- 13.5.37** Skoufogianni E., **Giannoulis K.D.**, Molla A., Danalatos N.G., **2014**. Sunflower Growth in a Rotational System with a Legume Crop as Affected by N-fertilization in Central Greece. International Congress on “Green Infrastructure and Sustainable Societies/Cities” (GreInsus’ 14). Environmental Management and Sustainability. 18 May 2014, Izmir, Turkey, pp. 192.
- 13.5.38** Karyoti Aik., Bartzialis D., **Giannoulis K.**, Danalatos N., **2017**. Vertical distribution of nutrients and trace elements in cultivated alluvial soils of Central Greece. Sixth International Conference on Environmental Management, Engineering, Planning and Economics. 25-30 June, Thessaloniki, Greece, pp. 409.
- 13.5.39** Wogiatzi E., Sarrou E., Logotheti A., Vrachoritisi A., **Giannoulis K.**, Chatzopoulou P., **2018**. The effect of irrigation and organic fertilization on the essential oil composition of *Matricaria chamomilla* L. 10th Conference on Medicinal and Aromatic Plants of Southeast European Countries, May 20-24, 2018, Croatia, pp. 202.

13.6 Book Chapters

- 13.6.1** Molla A., Skoufogianni E., **Giannoulis K.D.**, Dimirkou A., Danalatos N.G., **2014**. The influence of Zeolite-Bentonite mix to soil quality under different cultivated crops. Topics and Material Science, Vol. 7; pp.34-37. Advanced Micro- and Mesoporous Materials – 13.
- 13.6.2** Solomou A.D., **Giannoulis K.D.**, Skoufogianni E., Kakara S., Charvalas G., Kollimenakis A., **2021**. Ecological Value, Cultivation and Utilization of Important Medicinal Plants (Sage, Oregano and Sideritis) in Greece. In: H. M. Ekiert et al. (eds.), *Medicinal Plants, Sustainable Development and Biodiversity* 28, 869-895. Springer Nature Switzerland AG 2021

14. Identification-Reports of Published Work

More than 100 references to the published work. The search was done in international databases eg Scopus (References 19), GoogleScholar (References 100). H-index3 (Scopus source) and H-index6 (GoogleScholar source).

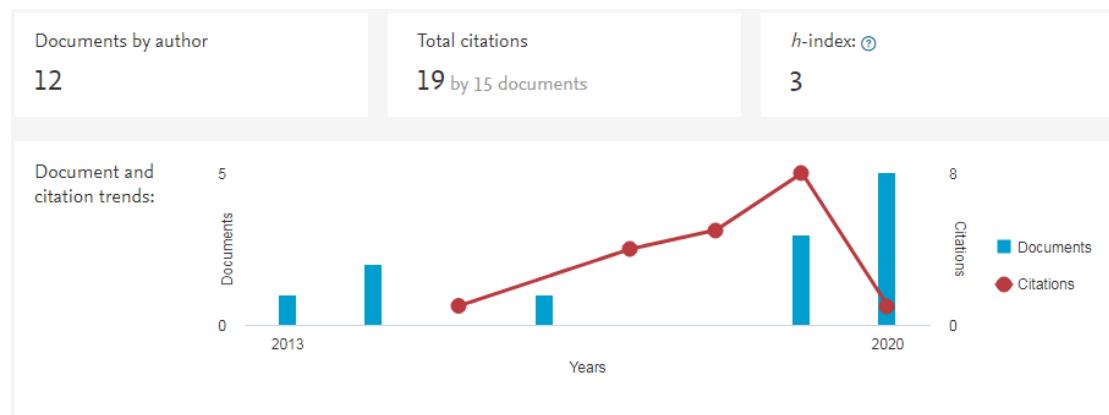


Figure 1. Course of publications and reports over time (Source Scopus, 2020).

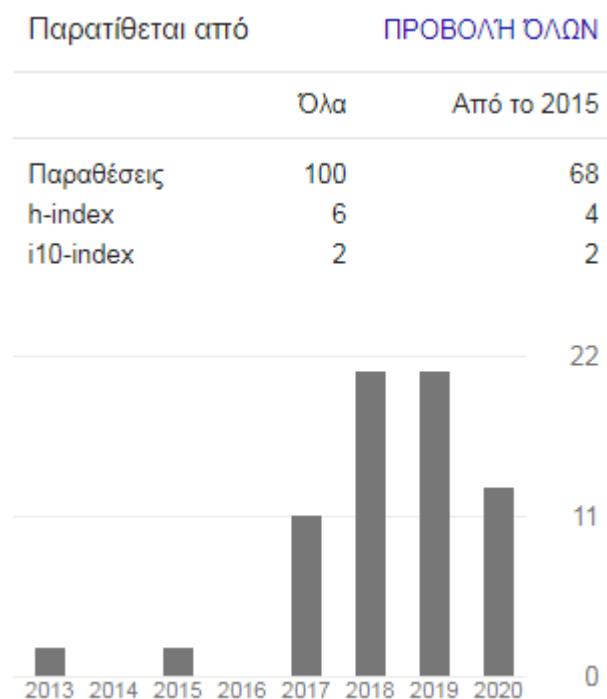


Figure 2. Time course of publications and reports (GoogleScholar Source, 2020).

This author's *h*-index

3

The *h*-index is based upon the number of documents and number of citations.

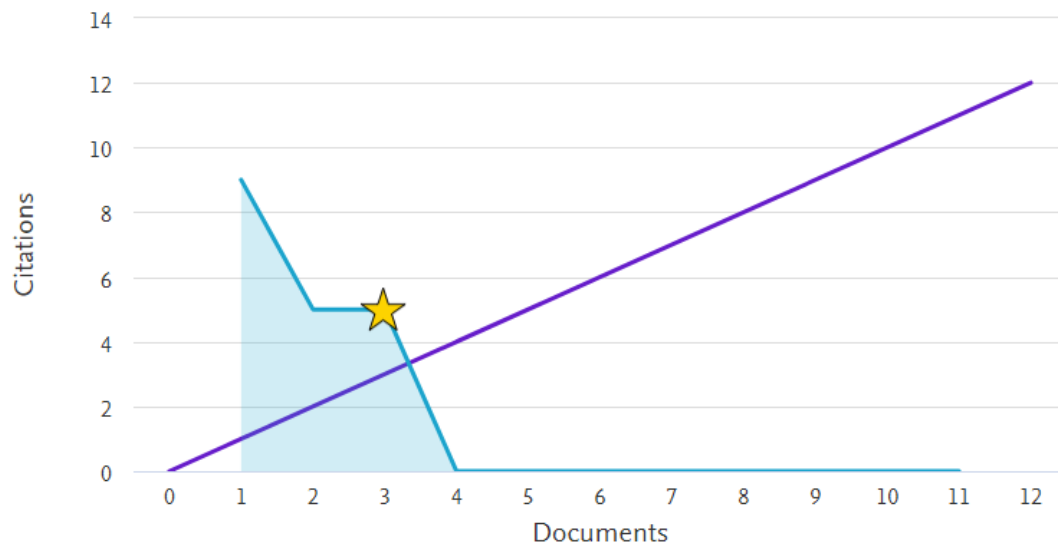


Figure 3. *h*-index (Scopus Source, 2020).