

I. ΠΡΟΣΩΠΙΚΑ ΣΤΟΙΧΕΙΑ

Αυγουστίνος Χαραλάμπους Αυγουστή

Αναπληρωτής Καθηγητής

μ - μ μ -

μ : μ

μ :

μ μ : 15 1954

: - μ

: μ -

: Ph.D – M.Sc.

μ (-33 μ - 20-

: 07-1972 01-09-1975)

: 6, . . 4122

: 2410-552008 (), 6977304601 ()

a.avgoustis@hotmail.com

E-mail:

avgoustis@tuth.gr

2012

μ

μ μ

μ μ :

«

« μ » (

2012), μ

μ (10/10).

2006

, μμ

μ

μ μ

μ μ : «

», (μ 2006), μ μ (8,21/10)

1978

μ μ

(

μ)

. . .

(μ

1978), μ μ (6,6/10)

1985

μ μ

. . .

(1985), μ μ (7/10)

1987 μ μ μ μ μ
(μ) . . .
470 μ
μ (,1404/83 – 5/8094/3-11-86.



- μ :
- 1.
 - 2.
 - 3.
 - 4.
 5. μ
 - 6.
 7. –
 - 8.
 - 9.
 10. – μ
 - 11.
 - 12.

- μ μ :
13. μ
 14. –
 15. μ
 16. μ
 17. & &
 - 18.
 19. μ
 20. & μ



μ :

- μ μ**
-
1. μ μ (« μ »)
 2. (« 0 μ μ μ μ »)
 3. μ (« μ « μ »)
 4. (« μ 2000/60/ »)
 5. μ – μ (« μ μ μ 2000/60/ »)
- μ :**
1. μ μ μ - « μ »
 2. « - « μ »

III. ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΚΑΙ ΕΚΠΑΙΔΕΥΤΙΚΗ ΔΡΑΣΤΗΡΙΟΤΗΤΑ

1. Επαγγελματική δραστηριότητα

1. 1978
μ μ
μ μ « . » .
2. μ 1979 1980.
3. μ μ μ (2000-2014).
4. μμ μμ « μ - μ & μ μμ μ μ . . . - ,
01/09/2003 31/08/2005.
5. μ μ , μ
,
μ (ΚΥΑ451/2001/01-05-2002 Α . .11353).
6. μ μ μ μ
7. (μ)

2. μμ μμ μ μμ

1. μμ « μ μ μ μ »
μ μ μ “ -

μ μ

& ” μ “ μ μ μ μ ”

μ : , . . .

μ : « μ » - () -

1 μμ 15/4/2011

μ 14/8/2011.

2. μμ . μ μ « μ

μ μ μ μ »

“

” . (μ -

μ μ .)

IV. Εκπαιδευτική Δραστηριότητα - Διδακτικό Έργο ως 1978-2019

- μ μ μ ()
-) . . .
- 1) - & μ .- μ .
 - 2) .
 - 3) μ μ - μ
 - 4)
 - 5) μ .
 - 6) μ
 - 7) μ .
 - 8) μ
 - 9) .
 - 10) - .
 - 11) μ μ
 - 12)
 - 13) μ .
 - 14) & - - μ μ .
 - 15) &
 - 16) .
 - 17) . .
- .

VI. ΓΝΩΣΗ Η/Υ

Internet μ .
 (μ μ μ .)

VII. ΕΠΙΣΤΗΜΟΝΙΚΕΣ ΔΗΜΟΣΙΕΥΣΕΙΣ

1. Διατριβές

1. _____, _____, 2006, “ μ μ μ μ μ ».
 μ , μ μ , μ μ μ
 , μ .
 : . , μ ().
2. _____, _____, 2012, “ « μ ».
 , μ , μ μ
 , μ : . ,
 μ ().

2. Δημοσιεύσεις

A. Δημοσιεύσεις σε Διεθνή Επιστημονικά Περιοδικά με Κριτές (8 εργασίες)

1. Gravalos, I., Gialamas, Th., Moshou, D., **Avgousti, A.**, Kateris, D., Moschodimou, E., Xyradakis, P., Tsiropoulos, Z., Georgiadis, A., 2010. Maintenance of Hydraulic Systems based on Optical Monitoring of Contamination, Journal of Agricultural Engineering, Vol. 4, p.p. 19-25.
2. **AVGOUSTINOS AVGOUSTIS**, MARIANTHI HATZIOANNOU, SAVAS PAPADOPOULOS, DIMITRIOS KATERIS, CHRISTOS NEOFYTOU, DIMITRIOS VAFIDIS., 2012. Assessing quality of an irrigation canal ecosystem, through water and sediment environmental parameters. A case study in Thessaly region, Greece. WSEAS TRANSACTIONS on ENVIRONMENT and DEVELOPMENT Issue 1, Volume 8, January 2012 pp 23-32.
3. **AVGOUSTINOS AVGOUSTIS**, SAVVAS PAPADOPOULOS, DIMITRIOS KATERIS, ANASTASIOS GEORGIADIS, IOANNIS GRAVALOS, PANAGIOTIS XYRADAKIS, ZISIS TSIROPOULOS, 2013, Assessing quality of an irrigation canal ecosystem, through water and environmental parameters (temperature, total hardness, pH, D.O, EC, BOD5, COD, N, P, Na⁺, NO³⁻,

- C ℓ ⁻, PO $_4$ ³⁻, NH $_4$ ⁺ and SO $_4$ ⁻). A case study in Thessaly region, Greece. WSEAS Transactions on Environment and Development, Issue 3, Volume 9, July 2013 p.p. 181-194.
4. Gravalos, I., Xyradakis, P., Kateris, D., Gialamas, Th., Loutridis, S. **Avgousti, A.**, Georgiadis, A., Tsiropoulos, Z., “Comparison and analysis of the emissions of a small non-road SI engine operating under different alcohol gasoline blended fuels”, International Journal of Sustainable Energy, 35(3), 258-266, (2014).
 5. Gravalos, S. Loutridis, T. Gialamas, **A. Avgousti**, D. Kateris, P. Xyradakis, Z. Tsiropoulos, M. Libra, 2014. Chování kapoty traktoru z hlediska vibrací (Vibrational behavior of tractor engine hood). Jemná mechanika a optika (Fine Mechanics and Optics), Vol 59, 4/2014, p.p. 69-70. ().
 6. Tsiropoulos, Z., Fountas, S., Gravalos, I., **Augoustis, A.**, Arslan, S., Misiewicz, P., Gemtos, T., “Importance of measuring tillage implement forces for reduced fuel consumption and increased efficiency without affecting tillage depth”, Proceedings of 10th European Conference on Precision Agriculture, Edited by John V. Stafford, Wageningen Academic Publishers, Volcani Center, Israel, 2015. (Science Direct).
 7. Ioannis Gravalos, **Avgoustinos Avgousti**, Theodoros Gialamas, Nikolaos Alfieris, Georgios Paschalidis, 2019. «A robotic irrigation system for urban gardening and agriculture».

B. μ μ (9)

1. Gravalos, I., Kateris, D., Tsiropoulos, Z., Koutsofotis, Z., Gialamas, Th., Xyradakis, P., **Augustinos, A.**, Georgiades, A., 2008. *An investigation on calorific energy distribution in cotton plant organs*. 1st International Workshop 2008, Physics in Life Science, 22 August 2008, Prague, Czech Republic, p.p. 16-21.
2. **Avgoustis A.**, hatziioannoy M., Neofitou N., Matziori S. & Vafidis D. 2009. Spatial-temporal evaluation of the water quality based on physicochemical and biological parameters in an irrigatory system in central Greece. 11th ICZEGAR Herakleion, Greece, p 97.
3. Gravalos, I., Gialamas, Th., Moshou, D., **Avgousti, A.**, Kateris, D., Moschodimou, E., Xyradakis, P., Tsiropoulos, Z., Georgiadis, A., 2009. Maintenance of Hydraulic Systems based on Optical Monitoring of Contamination. Proceedings of International Scientific Conference on Sustainable Agriculture Engineering, 5-7 November 2009, Sofia, Bulgaria.
4. Gravalos, I., Kateris, D., Xyradakis, P., Gialamas, Th., Loutridis, S., **Avgousti, A.**, Georgiades, A., Tsiropoulos, Z., 2010. *A study on calorific energy values of biomass residue pellets for heating purposes*. Proceedings of 43th Forestry Mechanization Symposium "FORMEC 2010", 11–14 July, Padova, Italy.

5. Xyradakis, P., Gialamas, Th., Gravalos, I., Moshou, D., Kateris, D., Tsiropoulos, Z., Augusti, A., Tsatsarelis, C., 2011. *Emissions characteristics of spark ignition engine operating on pure and high alcohol blended gasoline fuels*. Proceedings of XXXIV CIOSTA CIGR V Conference, 29 June – 1 July 2011, Vienna, Austria.

6. Ioannis Gravalos, Dimitrios Moshou, Theodoros Gialamas, Dimitrios Kateris, Zisis Tsiropoulos, Avgoustinos Avgousti, 2012, A study on spatial and temporal soil water distribution using an underground sensor-based platform, AgEng2012, International Conference on Agricultural Engineering & Industry Exhibition, 8-12 July 2012, Valencia, Spain.

7. Gravalos, I., Loutridis, S., Gialamas, Th., Avgousti, A., Kateris, D., Xyradakis, P., Tsiropoulos, Z., 2013. Vibrational behavior of tractor engine hood. Proceedings of the 5th International Scientific Conference on “Trends in Agricultural Engineering (TAE 2013)”, 3-6 September, Prague, Czech Republic.

8. Gravalos, I., Tsiropoulos, Z., Kateris, D., Gialamas, Th., Xyradakis, P., Avgoustis, A., Georgiadis, A., Fountas, S., “Soil moisture remote monitoring from an agricultural tractor”, Proceedings of the 2nd International Conference on Robotics and associated High-technologies and Equipment for Agriculture and forestry (RHEA-2014), Madrid, Spain, 2014.

9. Ioannis Gravalos, Dimitrios Kateris, Anastasios Georgiadis, Theodoros Gialamas, Avgoustinos Avgoustis. Optimizing Soil Moisture Uniformity and Irrigation Management, 17-30 September 2015, Kavalla, Greece.

10. Ioannis GRAVALOS, Theodoros GIALAMAS, Avgoustinos AVGOUSTIS, Dimitrios KALFOUNTZOS, Martin LIBRA, «A PORTABLE ROVER AS A TOOL FOR SOIL WATER MONITORING». 7th TAE 2019, 17 - 20 September 2019, Prague, Czech Republic.

μ	μ	(10)
---	---	--------

1. _____, μ, μ, μ, μ, μ, μ, μ, μ, 2007.
 (. . . .), 18-20 2007, . 787-794.

2. _____, μ, μ, μ, μ, μ, μ, μ, μ, μ, 2007.
 (. . . .), 18-20 2007, . 44-51.

Advances in Applied Ceramics Structural, Functional and Bioceramics, DOI: 10.1080/17436753.2016.1221019.

9. Violeta Romero, Arminda Tirado, Mónica Durán, Juan Z. Dávalos, 2016. Propiedades energéticas de la harina de maca (*Lepidium peruvianum* Chacón o *Lepidium meyenii* Walpers), *Revista de la Sociedad Química del Perú*, vol.82 no.1, pp. 38-48.
10. Sola, M.E., Blanco, J., Prat, M.R., 2016. Determinacion del calor de Combustion de “Tronquitos Ecologicos”, Eje temático N° 10: Nanociencia, química y sociedad, divulgación y popularización científica.
11. Saeed M.A, Irshad A, Sattar, H., Andrews G.E, Phylaktou H.N & Gibbs B.M, 2015. Agricultural waste biomass energy potential in Pakistan. In Proceedings of the international Conference held in Shanghai. P.R. China. International Bioenergy, Exhibition and Asian Bioenergy Conference, 21-23 Oct. 2015, Shanghai, P.R. China.
12. Monika BOŽIKOVÁ, Peter HLAVÁ , Vlasta VOZÁROVÁ, Michal VALACH, 2015. Selected Thermo-energetic parameters of pellets “Odarbani Termo-energetski parametric peleta”, *Journal on Processing and Energy in Agriculture*, 19 (2), 83-86.
13. M. Azam Saeed, Syed Waqas Ahmad, Mohsin Kazmi, Muhammad Mohsin, Nadeem Feroze, 2015. Impact of torrefaction technique on the moisture contents, bulk density and calorific value of briquetted biomass, *Polish Journal of Chemical Technology*, Vol. 17, Iss. 2, 23-28.
14. A. Sotiropoulos, D. Malamis, M. Loizidou, 2015. Dehydration of Domestic Food Waste at Source as an Alternative Approach for Food Waste Management, Waste and Biomass Valorization, Vol. 6, Iss. 2, 167-176.
15. Chang Liu, 2014. Metal ions removal from polluted waters by sorption onto exhausted coffee waste. Application to metal finishing industries wastewater treatment. PhD. Thesis, Universitat de Girona.
16. Henrik Wenzel, Linda Højbye, Rune Duban Grandal, Lorie Hamelin, David Neil Bird, Asger Strange Olesen, 2014. Carbon footprint of bioenergy pathways for the future Danish energy system, Main Project Report. University of Southern Denmark, March 2014, p. 419.
17. Saumen Poddar, Mohammed Kamruzzaman, S.M.A. Sujan, M. Hossain, M.S. Jamal, M.A. Gafur, Mahfuza Kanam, 2014. Effect of compression pressure on lignocellulosic biomass pellet to improve fuel properties: Higher heating value, *Fuel*, Vol. 131, 43-48.
18. Ramachandra T.V., Ganesh Hegde, Bharath Setturu, Gautham Krishnadas, 2014. Bioenergy: A sustainable Energy Option for Rural India, *Advances in Forestry Letters (AFL)*, Volume 3 Issue 1, March 2014.
19. R. Vai ekonyt , E. Kiviat, F. Nsenga and A. Ostfeld, 2013. An exploration of common reed (*Phragmites australis*) bioenergy potential in North America, *Mires and Peat*, Volume 13 (2013/14), Article 12, 1–9.
20. Bird, D. N., Fritsche, U., Lindner, M., & Fitzgerald, J., 2013. Forest biomass for energy in the EU: current trends, carbon balance and sustainable potential.

21. D. Pujol, C. Liu, J. Gominho, M.À. Olivella, N. Fiol, I. Villaescusa, H. Pereira, 2013. The chemical composition of exhausted coffee waste, *Industrial Crops and Products*, Vol. 50, 423-429.
22. Hiroyuki Takeishi, Jun Hayashi, Atsushi Okazawa, Kazuo Harada, Kazumasa Hirata, Akio Kobayashi, Fumiteru Akamatsu, 2013. Effects of elevated pressure on rate of photosynthesis during plant growth, *Journal of Biotechnology*, Vol. 168, 135-141.
23. Luisa Barbieri, Fernanda Andreola, Isabella Lancellotti, Rosa Taurino, 2013. Management of agricultural biomass wastes: Preliminary study on characterization and valorisation in clay matrix bricks, *Waste Management*, Vol. 33, Iss. 11, 2307-2315.
24. Ishmael B. M, Kosamu, Wouter T. de Groot, Patrick S. Kambewa and Geert R. de Snoo, 2012. Institutions and Ecosystem-Based Development Potentials of the Elephant Marsh, Malawi, *Sustainability*, 4(12), 3326-3345.
25. João C.A.R. Claro and Darinka Costa-Gonzalez, 2011. Evaluation of Industrial Wastes and Effluents for Biomass Production under a New Process, Proceeding of conference "Power and Energy Systems" (EuroPES 2011), Editor P. Bourkas, June 22 – 24, Crete, Greece. Hardcopy ISBN: 978-0-88986-892-2
26. Tom Kuhlmana, Vasco Diogob, Eric Koomenb, 2012. Exploring the potential of reed as a bioenergy crop in the Netherlands, *Biomass and Bioenergy*, Vol. 50, 41-52.
27. M.J. Feria, J.C. García, M.J. Díaz, G. Garrote, F. López, 2012. Optimization the soda-AQ process for cellulose pulp production and energy content of black liquor from *L. leucocephala* K360, *Bioresource Technology*, Vol. 120, 173-179.
28. Vijay Krishna Moka, Estimation of calorific value of biomass from its elementary components by regression analysis, Bachelor thesis, National Institute of Technology Rourkela, Odisha, 2012.
29. S. Kalinauskait , A. Sakalauskas, E. Šarauskis, A. Jasinskas, M. Ahlhausand H. Gerath, 2012. Biomass preparation for conversion humidity and value assessment, *Agronomy Research Biosystem Engineering*, Special Issue 1, 115-122.

(2)

Gravalos, S. Loutridis, T. Gialamas, A. Augousti, D. Kateris, P. Xyradakis, Z. Tsiropoulos, M. Libra, 2014. Chování kapoty traktoru z hlediska vibrací (Vibrational behavior of tractor engine hood). *Jemná mechanika a optika (Fine Mechanics and Optics)*, Vol 59, 4/2014, p.p. 69-70. () [μ (1)].

1. Ramaniraj. A, Shivalingappa. D, Halesh koti and Channankaiah, 2015. Experimental investigation on noise pollution caused by agricultural tractors. *International Journal of Recent Scientific Research* Vol. 6, Issue, 4, 3342-3344.

(3)

A. Augoustis, M. Hatzioannou, S. Papadopoulos, D. Kateris, Ch. Neofytou, D. Vafidis, 2012. Assessing quality of an irrigation canal ecosystem, through water and sediment

environmental parameters. A case study in Thessaly region, Greece. WSEAS Transactions on Environment and Development, Vol. 8, No. 1, p.p. 23-32. [(2)].

1. Ioannis Karaouzas, 2016. Agro-Industrial Wastewater Pollution in Greek River Ecosystems, Chapter Part of the series The Handbook of Environmental Chemistry 1-36.
2. Mohammad Nafees and Asma Amin, 2014. Evaluation of heavy metals accumulation in different parts of wheat plant grown on soil amended with sediment collected from Kabul river canal, Journal of Agricultural Research, 52 (3), p.p. 383-394.

(4)

Ioannis Gravalos, Spyros Loutridis, Theodoros Gialamas, Avgoustinos Avgousti, Dimitrios Kateris, Panagiotis Xyradakis, Zisis Tsiropoulos, 2013. Vibrational behavior of tractor engine hood, Proceedings of the 5th International Conference TAE 2013 (Trends in Agricultural Engineering), 3-6 September, FE CULS Prague, Czech Republic, p.p. 181-185 [μ (1)].

1. Jing Xu, Zhongbin Wang, Chao Tan, Lei Si and Xinhua Liu, 2017. A Novel Denoising Method for an Acoustic-Based System through Empirical Mode Decomposition and an Improved Fruit Fly Optimization Algorithm. Applied Science, Vol. 7, Issue 3, 215.

(5)

Ioannis Gravalos, Zisis Tsiropoulos, Dimitrios Kateris, Theodoros Gialamas, Panagiotis Xyradakis, Avgoustinos Avgoustis, Anastasios Geogriadis and Spyridon Fountas, 2014. Soil moisture remote monitoring from an agricultural tractor. In Proceedings of International Conference on Robotics and Associated High-technologies and Equipment for Agriculture and forestry, RHEA'2014, Madrid, Spain, 21–23 May 2014, p.p. 289-298 [μ (1)].

1. Bert Beck, Spyros Fountas, Zisis Tsiropoulos, Athanasios T. Balafoutis, Jürgen Vangeyte, Tamme van der Wal, I. Soto-Embodas, Manuel Gómez-Barbero, Søren Marcus Pedersen, 2017. *Smart Farming Technologies – Description, Taxonomy and Economic Impact*, Precision Agriculture: Technology and Economic Perspectives, Book Chapter, pp 21-77.

(6)

Ioannis Gravalos, Panagiotis Xyradakis, Dimitrios Kateris, Theodoros Gialamas, Spiros Loutridis, Avgoustinos Avgousti, Anastasios Georgiadis & Zisis Tsiropoulos, 2016. Comparison and analysis of the emissions of a small non-road spark-ignition engine operating under different alcohol–gasoline blended fuels. International Journal of Sustainable Energy, Volume 35, Issue 3, p.p. 258-266 [(5)].

1. Harish Sivasubramanian, Yashwanth Kutti Pochareddy, Gopinath Dhamodaran, Ganapathy Sundaram Esakkimuthu, 2017. *Performance, emission and combustion characteristics of a branched higher mass, C₃ alcohol (isopropanol) blends fuelled medium duty MPFI SI engine*, Engineering Science and Technology, an International Journal, Vol. 20, p.p. 528-535.

8. 8 (. . . .), 25-26 μ 2013,

9. . . .

X. :

- 1. μ μ μ μ (1997-2001).
- 2. μ μ μ μ μ μ (2000 2002).
- 3. μ μ μ μ 2003-2004.
- 4. . . . μ 2011 -2012 2012-2013
- 5. μ . . . / .

:

- 1. μ μ (1989-1993)
- 2. μ (1993 μ).
- 3. μ (. . . .) (1996-1999, 2001 2003, 2005-2007 2009 2017 2017 2021).
- 4. μ μ μ (. . . .) (1998-2002).
- 5. μ 5 2000 2004).
- 6. μ μ μ μ (. . . .) μ (. . . .) (2001 2005 2017 2019).

X. :

- 1. (« » - « » - « μ », « » - « » - HELLAS JOURNAL, . .).
- 2. μ μ μ : 26 μ μ .
- 3. μ μ μ .

$\mu \mu$

.

:

,

μ

μ

μ

μ

.

μ

μ

μ

μ

.

*

μ

μ