

В 4. Хабилизационен труд - научни публикации в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация (Web of Science и Scopus)

- B4-1. *Michaella Alexova, Anelia Kenarova, Silvena Boteva, Galina Radeva*, 2019, **Azoxystrobin impact on a selection of soil bacterial resistance to aminoglycoside antibiotics**, Comptes rendus de l'Academia bulgare des Sciences, 72(10): 1359-1365, ISSN (print):1310-1331, ISSN (online):2367-5535, DOI: 10.7546/CRABS.2019.10.08, SJR (0.218), IF (0.343), Quartile: Q2 Web of Science
- B4-2. *Michaella Aleksova, Anelia Kenarova, Silvena Boteva, Galina Radeva*, 2019, **Induced bacterial antibiotic resistance under the application of fungicide azoxystrobin**, l'Academia bulgare des Sciences, 72(11): 1592-1600, ISSN (print):1310-1331, ISSN (online):2367-5535, DOI: 10.7546/CRABS.2019.11.18, SJR (0.218), IF (0.343), Quartile: Q2 Web of Science
- B4-3. *Silvena Boteva, Galina Radeva, Ivan Traykov, Anelia Kenarova*, 2016, **Effects of long-term radionuclide and heavy metal contamination on the activity of microbial communities, inhabiting uranium mining impacted soils**, Environmental Science and Pollution Research, 23(6): 5644-5653, ISSN (print):0944-1344, ISSN (online):1614-7499, DOI: 10.1007/s11356-015-5788-5, SJR (0.891), IF (2.91), Quartile: Q1 Scopus/Web of Science
- B4-4. *Anelia Kenarova, Galina Radeva, Ivan Traykov, Silvena Boteva*, 2014, **Community Level Physiological Profiles of Bacterial Communities Inhabiting Uranium Mining Impacted Sites**, Ecotoxicology and Environmental Safety, 100: 226-232, ISSN (print):01476513, doi:10.1016/j.ecoenv.2013.11.012, SJR (1.11), IF (3.327), Quartile: Q1 Scopus/Web of Science
- B4-5. *Michaella Aleksova, Daniel Palov, Nikolai Dinev, Silvena Boteva, Anelia Kenarova, Roumen Dimitrov, Galina Radeva*, 2020, **Bacterial abundance along a gradient of heavy metal contaminated soils in the region of Zlatitsa-Pirdop valley, Western Bulgaria**, Comptes rendus de l'Académie bulgare des Sciences, 73(3): 433-442, ISSN (print): 1310–1331, ISSN (online):2367–5535, doi:10.7546/CRABS.2020.03.18, SJR (0.218 - 2019), IF (0.343 - 2019), Quartile: Q2 (2019) Web of Science

Г 7. Научна публикация в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация (Web of Science и Scopus), извън хабилизационния труд

- Г7-1. *Silvena Boteva, Rossen Tzonev, Anelia Kenarova, Valentin Bogoev*, 2020, **Common agricultural policy, agricultural landscapes and the wildlife - the case of the Southwest planning region in Bulgaria**, Bulgarian Journal of Agricultural Science, 26 (6), ISSN (print):1310-0351, ISSN (online):2534-983X, SJR (0.191 - 2019), Quartile: Q3 (2019) in print

- Γ7-2. *Mohamed Elhag, Silvena Boteva*, 2020, **Quantitative Analysis of Different Environmental Factor Impacts on Land Cover in Nisos Elafonisos, Crete, Greece**, International Journal of Environmental Research and Public Health, 17(18), ISSN (print):1661-7827, ISSN (online):1660-4601, DOI: 10.3390/ijerph17186437, SJR (0.74 - 2019), IF (2.849 - 2019), Quartile: Q2 (2019) Scopus
- Γ7-3. *Daniel Palov, Michaella Aleksova, Radina Nikolova, Nikolai Dinev, Anelia Kenarova, Silvena Boteva, Roumen Dimitrov, Galina Radeva*, 2020, **Relationships between soil microbial activity, bacterial diversity and abiotic factors along the heavy metal contamination gradient**, Ecologia Balkanica, ISSN (print):1314-0213, ISSN (online):1313-9940, SJR (0.13 - 2019), Quartile: Q4 (2019) in print
- Γ7-4. *Mohamed Elhag, Silvena Boteva*, 2020, **The Canadian versus the National Forest Fire Danger Rating Systems tested in Mediterranean forests fire Crete, Greece**, Environment, Development and Sustainability, ISSN (online):1387585X, 15732975, DOI: 10.1007/s10668-020-00799-7, SJR (0.55 - 2019), IF (2.191 - 2019), Quartile: Q2 (2019) Scopus/Web of Science
- Γ7-5. *Silvena Boteva, Anelia Kenarova, Stela Georgieva, Christo Chaney, Michaella Aleksova, Galina Radeva*, 2020, **The resistance and resilience of soil enzymes after the application of fungicide azoxystrobin to loamy sand soil**, Ecologia Balkanica, 2020, ISSN (print):1314-0213, ISSN (online):1313-9940, SJR (0.13 - 2019), Quartile: Q4 (2019) in print
- Γ7-6. *Mohamed Elhag, Silvena Boteva*, 2019, **Conceptual assessment of energy input-output analysis and data envelopment analysis of greenhouse crops in Crete Island, Greece**, Environmental Science and Pollution Research, ISSN (print): 0944-1344, ISSN (online):1614-7499, DOI:10.1007/s11356-019-05544-w, SJR (0.788 - 2019), IF (3.306- 2019), Quartile: Q2 (2019) Scopus/Web of Science
- Γ7-7. *Mohamed Elhag, Tatjana Kojchevska, Silvena Boteva*, 2019, **EPM for Soil Loss Estimation in Different Geomorphologic Conditions and Data Conversion by Using GIS**, IOP Conf. Series: Earth and Environmental Science, 221 (1), art. no. 012079, ISSN (print):1755 - 1315, ISSN (online):1755-1307, DOI:10.1088/issn.1755-1315, SJR (0.175) Scopus
- Γ7-8. *Tzvetkova, P., M. Lyubenova, S. Boteva, E. Todorovska, S. Tsonev, H. Kalcheva*, 2019, **Effect of herbicides Paraquat and Glyphosate on the early development of two plant biotests**, IOP: Earth & Environmental Sciences, 221 (1), art. no. 012137, editor/s:Anete Ashton Steph Gill Kayleigh Parsons, Publisher: IOP Publishing Ltd, ISSN (print):1755-1307, ISSN (online):1755-1315, DOI:10.1088/1755-1315/221/1/012137, SJR (0.175) Scopus
- Γ7-9. *Margarita Neznakomova, Silvena Boteva, Luben Tzankov, Mohamed Elhag*, 2018, **Non-woven Textile Materials from Waste Fibers for Cleanup of Waters Polluted with Petroleum and Oil Products**, Earth Systems and Environment, 2(2): 413-420, ISSN (print):2509-9426, ISSN (online):2509-9434, doi:<https://doi.org/10.1007/s41748-018-0048-8>, SJR (0.7 - 2019), Quartile: Q2 (2019) Scopus/Web of Science
- Γ7-10. *Silvena Boteva, Anelia Kenarova*, 2017, **Impact of methane concentration and temperature on the activity of a methanotrophic strain isolated from a**

- municipal landfill**, Comptes rendus de l'Academie bulgare des Sciences, 70(9): 1271-1278, ISSN (print):1310-1331, ISSN (online):2367-5535, SJR (0.21), IF (0.27), Quartile: Q2 Scopus/Web of Science
- Г7-11. *Silvena Boteva, Anelia Kenarova*, 2017, **Oil contamination of sandy and loamy alluvial soils and its impact on indigenous bacteria**, Comptes rendus de l'Academie bulgare des Sciences, 70(6): 803-812, SJR (0.21), IF (0.27), Quartile: Q2 Scopus/Web of Science
- Г7-12. *Mohamed Elhag, Silvena Boteva*, 2017, **Understanding of the Geomorphological Elements in Discrimination of Typical Mediterranean Land Cover Types**, IOP Conf. Series: Earth and Environmental Science, 95 (4), art. no. 042041, ISSN (online):1755-1307, DOI:10.1088/1755-1315/95/4/042041, SJR (0.149) Scopus/Web of Science
- Г7-13. *Mohamed Elhag, Silvena Boteva*, 2016, **Mediterranean Land Use and Land Cover Classification Assessment Using High Spatial Resolution Data**, IOP Conference Series: Earth and Environmental Science, 44 (4), art. no. 042032, ISSN (online):1755-1307, doi:10.1088/1755-1315/44/4/042032, SJR (0.199) Scopus/Web of Science
- Г7-14. *Silvena Boteva, Anelia Kenarova, Galina Radeva, Ivan Traykov, Valentin Bogoev*, **Community dynamics of pelagic bacteria in the high mountain lake Bubreka – Rila Mountain, Bulgaria**, 2013, Comptes rendus de l'Academ. bulgare des Sciences, 66(11): 1579-1586, ISSN (print):1310-1331, ISSN (online):2367-5535, SJR (0.205), IF (0.198), Quartile: Q2 (2013) Scopus/Web of Science

Г 7.0 Научни публикации в издания, които са не реферирани и индексирани

- Г7.0-1. *Maryiana Lyubenova, Snejana Dineva, Kristiana Cala, Branislav Dinić, Silvena Boteva*, 2019, **Ecotoxicity of Purified Industrial Waste Water**, Environment and Ecology Research, 7(4): 208-219, ISSN (print):2331-625X, ISSN (online):2331-6268, DOI: 10.13189/eer.2019.070402,
- Г7.0-2. *Silvena Boteva, Mariyana Lyubenova, Hristina Kalcheva*, 2019, **Growth Test with *Lepidium sativum* (L.) for Soil Monitoring of Sites, Part of the Bulgarian National Soil Monitoring System**, Bulgarian Journal of Soil Science, 4(1): 46-54, ISSN (print): 2534-8787, ISSN (online): 2367-9212, DOI:<https://zenodo.org/record/3250851#.Xi8A9jIzbDc>
- Г7.0-3. *Silvena Boteva, Emilia Bankova, Anelia Kenarova, Sava Tishkov, Ivan Traykov*, 2015, **Bacterial abundance and activity in oil polluted and restored artificial wetlands**, Annuaire de l'Université de Sofia "St. Kliment Ohridski"Faculte de Biologie, 332-343

Г 8. Публикувана глава от книга или колективна монография

- Г8-1. *Lyubenova, M., S. Boteva*, **Biotests in Ecotoxicology: Current Practice and Problems. -In: Soloneski S., Larramendy M.(red.). Toxicology - New Aspects to This Scientific Conundrum. INTECH, 2016**, ISBN:Print ISBN 978-953-51-2716-1 Online ISBN 978-953-51-2717-8, INTECH, 51000 Rijeka, Croatia - EUROPEAN UNION
- Г8-2. *Anelia Kenarova, Silvena Boteva*, **Functional Diversity of Microorganisms in Heavy Metal Polluted Soils**, In: *Sherameti I and Varma A, (eds) Heavy Metal*

Участия в конференции

- 1 *Michaella Aleksova, Silvena Boteva, Anelia Kenarova, Stela Georgieva, Christo Chaney, Galina Radeva*, **Functional response of indigenous bacteria to a fungicide Quadris R added to a loamy sand soil at increasing application rates**, “Kliment's Days 2020“, Scientific Conference, 05/11-05/11 2020, Sofia, Bulgaria
- 2 *Daniel Palov, Michaella Aleksova, Radina Nikolova, Nikolai Dinev, Silvena Boteva, Anelia Kenarova, Roumen Dimitrov, Galina Radeva*, **Relationships between soil microbial activity, abiotic factors and bacterial community structure along the heavy metal contamination gradient**, International seminar of ecology - 2020 Dedicated to the 10-th anniversary of IBER-BAS, 23/04-24/04 2020, Sofia, Bulgaria
- 3 *Silvena Boteva, Anelia Kenarova, Stela Dimitrova, Hristo Chaney, Michaella Aleksova, Galina Radeva*, **The resistance and resilience of soil enzymes after the application of fungicide azoxystrobin to loamy sand soil**, International seminar of ecology - 2020 Dedicated to the 10-th anniversary of IBER-BAS, 23/04-24/04 2020, Sofia, Bulgaria
- 5 *Anelia Kenarova, Silvena Boteva, Ivan Traykov, Valentin Bogoev, Hristina Bakardzhieva*, **Soil microbiota as an indicator of soil quality and land use impacts in agroecosystems of Razlog Municipality**, Scientific conference “Kliment's Days”, 08/11 2019, Sofia, Bulgaria
- 6 *N. Yilmaz, M. Elhag, S. Boteva*, **Determination of the Water Quality and Phytoplankton Composition in the coastal region of Lake Terkos (Istanbul, Turkey)**, 7-th International conference on sustainable solid waste management, 26/06-29/06 2019, Greece
- 7 *Silvena Boteva, Anelia Kenarova, Nikolai Dinev, Galina Radeva, Michaella Aleksova, Roumen Dimitrov, Nelya Mishkina*, **Assessment of bacterial capacity to take part in soil carbon cycling under the impact of heavy metal pollution**, International seminar of Ecology-2019, 18/04-19/04 2019, Sofia, Bulgaria
- 8 *Michaella Aleksova, Anelia Kenarova, Silvena Boteva, Galina Radeva*, **Azoxystrobin effects on bacterial functional profiles in relation to the exposure time and levels of soil pollution**, International seminar of Ecology - 2019, 18/04-19/04 2019, Sofia, Bulgaria
- 9 *Michaella Aleksova, Anelia Kenarova, Silvena Boteva, Radina Karastoyanova, Galina Radeva*, **Bacterial community response to the effect of fungicide azoxystrobin in mesocosm experiment**, International seminar of Ecology-2019, 18/04-19/04 2019, Sofia, Bulgaria
- 10 *Galina Radeva, Roumen Dimitrov, Michaella Aleksova, Daniel Palov, Magdalena Nikolova, Nikolai Dinev, Anelia Kenarova, Silvena Boteva*, **Influence of long-term contamination with heavy metals on soil bacterial community structure**, International seminar of Ecology-2019, 18/04-19/04 2019, Sofia, Bulgaria
- 11 *Michaella Aleksova, Daniel Palov, Radina Karastoyanova, Magdalena Nikolova, Nikolai Dinev, Anelia Kenarova, Silvena Boteva, Roumen Dimitrov, Galina Radeva*, **Distribution of soil bacterial abundance along the gradient of heavy metals contamination in the region of Chelopech, Bulgaria**, International scientific conference Kliment's days, 08/11-09/11 2018, Sofia, Bulgaria

- 12 *Silvena Boteva, Anelia Kenarova, Michaella Aleksova, Galina Radeva, Stela Georgieva, Christo Chaney*, **Soil enzyme activities under the impact of increasing azoxystrobin concentrations**, International scientific conference Kliment's days, 08/11-09/11 2018, Sofia, Bulgaria
- 13 *Mohamed Elhag, Silvena Boteva*, **Spatial decision support system in rice cultivation in Nile delta using remotely sensed vegetation indices**, International scientific conference Kliment's days, 08/11-09/11 2018, Sofia, Bulgaria
- 14 *Silvena Boteva, Anelia Kenarova, Ivan Traykov*, **The Seven Rila lakes, Bulgaria – spatial and temporal changes of the bacterial physiological profiles**, International scientific conference Kliment's days, 08/11-09/11 2018, Sofia, Bulgaria
- 15 *Mohamed Elhag, Tatjana Kojchevska, Silvena Boteva*, **EPM for soil loss estimation in different geomorphologic conditions and data conversion by using GIS**, World Multidisciplinary Earth Science Symposium, WMESS, 03/09-07/09 2018, Czech Republic
- 16 *Pavla Tzvetkova, Maryana Lyubenova, Silvena Boteva, Elena Todorovska, Stefan Tsonev, Hristina Kalcheva*, **The effect of herbicides paraquat and glyphosate on the early development of two test plants**, World Multidisciplinary Earth Science Symposium, WMESS, 03/09-07/09 2018, Czech Republic
- 17 *Mohamed Elhag, Silvena Boteva*, **Conceptual Assessment of Energy Input-Output Analysis and Data Envelopment Analysis of Greenhouse Crops in Crete Island, Greece**, 6th International Conference on Sustainable Solid Waste Management, 13/06-16/06 2018, Greece
- 18 *Galina Radeva, Michaella Aleksova, Silvena Boteva, Anelia Kenarova*, **Effect of fungicides on soil microbial community**, 11-th Annual "Seminar of Ecology – 2018" with international participation, 26/04-27/04 2018, Sofia, Bulgaria
- 19 *Michaella Aleksova, Jordan Manasiev, Silvena Boteva, Mladen Popov, Anelia Kenarova, Galina Radeva*, **Impacts of the fungicide azoxystrobin on soil bacterial communities**, 11-th Annual "Seminar of Ecology – 2018" with international participation, 26/04-27/04 2018, Sofia, Bulgaria
- 20 *Ava Djamadan, Silvena Boteva, Anelia Kenarova*, **Personal ecological footprint as a sustainable development measure of the South-west region of Bulgaria**, Youth scientific conference "Kliment's days" FEBS Workshop on Molecular Life Sciences Education, 16/11-17/11 2017, Sofia, Bulgaria
- 21 *Michaella Aleksova, Anelia Kenarova, Silvena Boteva, Galina Radeva*, **Use of soil dehydrogenase activity and pollution induced community tolerance to detect azoxystrobin adverse effects on soil microorganisms**, Youth scientific conference "Kliment's days" FEBS Workshop on Molecular Life Sciences Education, 16/11-17/11 2017, Sofia, Bulgaria
- 23 *Mohamed Elhag, Silvena Boteva*, **Understanding of the Geomorphological Elements in the Discrimination of Typical Mediterranean Land Cover Types**, World Multidisciplinary Earth Science Symposium, WMESS, 11/09-15/09 2017, Czech Republic
- 24 *S. Boteva, M. Lyubenova, Y. Petkov, A. Chikalanov*, **Biomarkers and kits for early and rapid testing – current knowledge and gaps**, 15th International Conference on Environmental Science and Technology, 31/08-02/09 2017, Greece
- 25 *Mohamed Elhag, Silvena Boteva*, **Forest Fire Danger Rating Systems Assessment in the Mediterranean Type Environment, Crete, Greece**, 15th International Conference on Environmental Science and Technology, 31/08-02/09 2017, Greece

- 26 *Margarita Neznakomova, Luben Tzankov, Silvena Boteva, Mohamed Elhag*, **Obtaining bi-layer particulate filters with the participation of a layer of electrospun nanofibers**, 5th International Conference on Sustainable Solid Waste Management, 21/06-24/06 2017, Greece
- 27 *Michaela Alexova, Silvena Boteva, Anelia Kenarova, Galina Radeva*, **Fungicide amendment of agricultural soils selects antibiotic resistant bacteria**, Младежка научна конференция "Климентови дни", 17/11-18/11 2016, Sofia, Bulgaria
- 28 *Mohamed Elhag, Silvena Boteva*, **Mediterranean Land Use Land Cover Classifications Assessment Using High Spatial Resolution Data**, World Multidisciplinary Earth Sciences Symposium – WMESS 2016, 05/09-09/09 2016, Czech Republic
- 29 *Margarita Neznakomova, Luben Tzankov, Silvena Boteva, Mohamed Elhag*, **Investigation the possibility of using non-woven materials from recycled fibers for open oil spills clean up**, 4th International Conference on Sustainable Solid Waste Management, 23/06-25/06 2016, Cyprus
- 30 *Mohamed Elhag, Silvena Boteva*, **Consideration of Channel Combination from Remote Sensing Data in Mediterranean Forest Classification**, World Multidisciplinary Earth Science Symposium, 7-11 September 2015, Czech Republic
- 31 *Silvena Boteva, Luben Tzankov, Margarita Neznakomova*, **Study of the effectiveness of nonwoven filters from textile waste**, 3rd International conference on Sustainable Solid Waste Management, 2–4 July 2015, Greece
- 32 *Silvena Boteva, Mihaella Alexova, Anelia Kenarova, Galina Radeva*, **Bacterioplankton diversity and community composition in Okoto Lake, Seven Rila lakes**, Seminar of Ecology with International participation 2015, IBER BAS, 23/04-24/04 2015, Sofia, Bulgaria
- 33 *Silvena Boteva, Emilia Bankova, Anelia Kenarova, Sava Tishkov, Ivan Traykov*, **Bacterial abundance and activity in oil polluted and restored artificial wetlands**, 30 Years Biotechnology in Bulgaria, 17-18 October 2014, Sofia, Bulgaria
- 34 *Margarita Neznakomova, Luben Tzankov, Silvena Boteva, Luba Jivkova*, **Sustainable waste management - experience of Bulgaria**, 2-nd International Conference of Sustainable Solid Waste Management, 12 – 14 June 2014, Greece
- 35 *Silvena Boteva, Margarita Neznakomova, Luben Tzankov*, **Innovative clean technologies for waste water filtration using textile waste and subsequent energy recovery of the filters saturated with petroleum products**, “Water Is Necessary for Life - WIN4Life”, 19 – 21 September 2013, Greece
- 36 *M. Neznakomova, S. Boteva, L. Tzankov*, **Utilization of short textile wastes by filter development for purification of oil products water contamination**, Sustainable Solid Waste Management, 28-29 June 2012 Greece