

Aleksandra Głowacka – Curriculum Vitae

Place of work	Department of Plant Cultivation Technology and Commodity Science, University of Life Sciences in Lublin, Poland
Position	associate professor Head of Department of Plant Cultivation Technology and Commodity Science
Address	13 Akademicka Street, 20-950 Lublin, Poland
Phone	Office Telephone: +48 81 445 66 23
e-mail	aleksandra.glowacka@up.edu.pl

Education

MSc. (animal science) Agricultural Academy in Lublin, July 1993

Postgraduate Studies

Interfaculty Pedagogical Studies at University of Agriculture in Lublin, in 1997.

Ph.D. (Agricultural Sciences, with a specialization in agronomy), Faculty of Agriculture, University of Agriculture in Lublin, October 2001. -

Thesis: "The influence of lime-stabilized sewage sludge, sugar beet washing earth and straw ash on the light soil fertility and the yield and chemical composition of maize cultivated for silage".

PhD Habilitation (Agronomy), University of Life Sciences in Lublin, Lublin, September 2014.

Habilitation thesis: "The influence of strip cropping and treatments of tending on the weed infestation, yield and chemical composition of crop plants".

Information regarding previous and current employment in research institutions

01.04.1996	assistant lecturer at the Department of Foundations of Agrotechnology, University of Agriculture in Lublin
2002-2008	assistant professor at the Department of Foundations of Agrotechnology, University of Life Sciences in Lublin
2008-2015	assistant professor at the Department of Plant Production and Agrobusiness, University of Life Sciences in Lublin
2015-2018	assistant professor at the Department of Plant Cultivation Technology and Commodity Science, University of Life Sciences in Lublin

2018 – present	associate professor at the Department of Plant Cultivation Technology and Commodity Science, University of Life Sciences in Lublin

Awards

2009	Awarded by President of Poland with Bronze Medal for Long Service
2017	Awarded by Minister of National Education with Medal of the National Education Commission
2019	Awarded by Rector of University of Life Science in Lublin with 'Honorary Badge of the University of Life Sciences in Lublin'
2021	Awarded by President of Poland with Silver Medal for Long Service
2024	Awarded by Minister of Agriculture and Rural Development with Honorary Badge "Distinguished in Agriculture"

Membership

1996 to 1998 .	Member of Polish Society of Agronomy Sciences (PTNA)
2004-present	Member of Polish Society for Agronomy (PTA)
2008-2016	Member of European Weed Research Society (EWRS)
2011-2015	Member of International Soil Tillage Organization (ISTRO)
2017-2020	NCBR expert for the Smart Growth Operational Programme (POIR) 2014–2020, covering priority axes 1 and 4
2017–2024	Thematic Editor for the journal Agronomy Science
2019-present	Member of the Voivodeship Team for Post-Registration Variety Testing
2020-present	Chair of the Lublin Branch of the Polish Society for Agronomy
2020-present	Member of the Reviewer Board for the journal Agriculture
2020-2026	Topic Editor for the journal Sustainability
2025-present	Editor-in-Chief of the journal Agronomy Science

Peer reviewer of 205 research paper

Interships

June 2023	Training visit under the ERASMUS+ program to the Vytautas Magnus University Agriculture Academy, Faculty of Agronomy, Institute of Agriculture and Food Sciences .

November 2021	Research internship at the Vytautas Magnus University Agriculture Academy, Faculty of Agronomy, Institute of Agriculture and Food Sciences.
October 2019	Visit to the Institute of Urban Environment, Chinese Academy of Sciences, in Xiamen, China, under the "Special Exchange Program of the Chinese Academy of Sciences."
November 2019	Training visit under the ERASMUS+ program to the Agricultural University of Plovdiv, Bulgaria.
September 2016	Teaching visit during under the ERASMUS+ program to Aleksandras Stulginskis University in Kaunas, Lithuania.
September 2013	Lviv National University of Agriculture in Dublany, Department of Agrotechnology and Ecology, Department of Crop Production Technology.
October 2013	study-training visit in France "Improving the efficiency of farms conducting plant production on the example of farmers in France- the instruments used", organized by the Regional Secretariat of the National Rural Network of the Lublin Province.”
2013	internship at the Małopolska Plant Breeding Company – HBP LLC, Branch Office – Zamość seed Distribution Centre and in Production and Breading Farm in Ulhówek under the project "Internships and training the way to commercialization of knowledge" OP HC 2007-2013, Priority IV: Higher education and science, Actions 4.2: Development of skills of personnel system R & D and increase awareness of the role of science in economic development.
2011	3-month internship within the project "Lublin Transfer of Innovation", implemented by the Foundation for Local Democracy, Regional Centre in Lublin financed with OP HC Priority VIII. Regional Human Resources Management, Measure 8.2. Transfer of knowledge, Sub-8.2.1. Support for cooperation between science and business

Scientific achievements

The number of scientific publication- 146

The number of original research paper- 81

The number of scientific reports in WoS- 27

Sumaric Impact factor- 71

The total citation- 505

Index Hirsha- 12

PUBLICATIONS:

1. KiełtykaDadasiewiczA., Stryjecka M., **Głowacka A.**, Tarasevičienė Ž., Jabłońska-Trypuć A. 2026. Physicochemical properties of berry seeds recovered from pomace and their potential applications in food and cosmetic industries. Int. J. Mol. Sci. vol. 27 Iss. 1, 41, DOI: 10.3390/ijms27010041 (IF - 4,9)
2. Doaa M. Khalifa*, Heba M. Hewait, Alina-Stefania Stanciu, Ragheb M. Eladly, M. E. Shalaby, **Aleksandra Głowacka**. 2026. Interactive effects of biochar and microbial biofertilizers on sandy soil fertility and cowpea yield in Egyptian agroecosystems. Scientific Reports, 16:8735 | https://doi.org/10.1038/s41598-026-44003-8 (IF - 3,9).
3. Sajid M., Munir H., Rauf S., Ibtahaj I., Paray B.A., Kiełtyka-Dadasiewicz A., **Głowacka A**., Ahmed M.A.A. 2024. How Climate Variability Affects Safflower (*Carthamus tinctorius* L.) Yield, Oil, and Fatty Acids in Response to Sowing Dates. Horticulturae, 10, 539. https://doi.org/10.3390/horticulturae10060539. (IF - 3,1)
4. Swedan E.A., Shible K., Yassin M.Y., **Głowacka A**., Ahmed M.A.A. 2024. Synergistic effect of nano-potassium and chitosan as stimulants inducing growth and yield of bird of paradise (Sterlitiza reginae L.) in newly lands. Communicative & Integrative Biology, 17:1, 2406754, DOI: 10.1080/19420889.2024.2406754.
5. El-Mahrouk, E.-S.M.; Atef, E.A.M.; Gabr, M.K.; Aly, M.A.; **Głowacka, A**.; Ahmed, M.A.A. 2024. Application of ZnO NPs, SiO2 NPs and Date Pollen Extract as Partial Substitutes to Nitrogen, Phosphorus, and Potassium Fertilizers for Sweet Basil Production. Plants, 13, 172. https://doi.org/10.3390/plants13020172 (IF - 4,5)
6. Abeer A. Ahmed, Marwa Ghoneim, Mahmoud A. A. Ali, Alia Amer, **Aleksandra Głowacka**, Mohamed A. A. Ahmed. 2024. Comparative studies of four cumin landraces grown in Egypt. Scientific Reports (2024) 14:7990, https://doi.org/10.1038/s41598-024-57637-3. (IF – 4,6)
7. Jabłońska-Trypuć A., Wołejko E., Ernazarovna M.D., **Głowacka A**., Sokołowska G., Wydro U. 2023. Using Algae for Biofuel Production: A Review. Energies 16, 1758. https://doi.org/10.3390/en16041758 (IF – 3,252)
8. **Głowacka A.,** Jariene E., Flis-Olszewska E., Kiełtyka-Dadasiewicz A. 2023. The Effect of nitrogen and sulphur application on soybean productivity traits in temperate climates conditions. Agronomy 2023, 13, 780. https://doi.org/10.3390/agronomy13030780 (IF – 3,949)
9. Muhammad Ehsan Safdar, Rafi Qamar, Amara Javed, Muhammad Ather Nadeem, Hafiz Muhammad Rashad Javeed, Shahid Farooq, **Aleksandra Głowacka**, Sławomir Michałek, Mona S. Alwahibi, Mohamed S. Elshikh, Mohamed A.A. Ahmed 2023. Combined Application of Boron and Zinc Improves Seed and Oil Yields and Oil Quality of Oilseed Rape (*Brassica napus* L.). Agronomy, 13, 2023. https://doi.org/10.3390/agronomy13082020 (IF - 3,7)

10. Sher Muhammad, Muhammad Shaukat, Muhammad Yasin, Athar Mahmood, Muhammad Mansoor Javaid, Mohammad Khalid Al Sadoon, **Aleksandra Głowacka**, Mohamed A. A. Ahmed. 2023. Compost and humic acid amendments are a practicable solution to rehabilitate weak arid soil for higher winter field pea production. Scientific Reports, 13:17519, https://doi.org/10.1038/s41598-023-44921-x (IF – 4,6)
11. Stepaniuk M., **Głowacka A**. 2022. Yield of Winter Oilseed Rape (Brassica napus L. var. napus) in a Short-Term Monoculture and the Macronutrient Accumulation in Relation to the Dose and Method of Sulphur Application. Agronomy, 12, 68. https://doi.org/10.3390/agronomy12010068. (IF - 3,417)
12. **Głowacka A**., Flis-Olszewska E., 2022. The biodiversity of weed communities of dent maize, narrow-leaved lupin and oat in relation to cropping system and weed control. Agronomy Sciences, vol. LXXVII (3), 123-137. http://doi.org/10.24326/as.2022.3.9
13. Kiełtyka-Dadasiewicz A., Ludwiczuk A., Taraseviciene Z., Michalak M., **Głowacka A.**, Baj T., Kręcisz B., Krochmal-Marczak B. 2021. Bioactive and nutritional compounds of different parts of Cymbopogon citratus (DC) Stapf. cultivated in the temperate climate of Poland. Journal of Oleo Science, 70(1): 125-133. doi: 10.5650/jos.ess20171, (IF - 1,601)
14. Bahare Salehi, Manisha Nigam, Natallia Karazhan, ILA SHUKLA, Anna Kiełtyka-Dadasiewicz, Barbara Sawicka, **Aleksandra Głowacka**, Mohammad Abu-Darwish, Amer Hussein Tarawneh, Anastassiya V Gadetskaya, Célia Cabral, LIGIA Salgueiro, Abhay Prakash Mishra, Montserrat Victoriano, Miquel Martorell, William Cho, Anca Oana Docea, Anna Abdloshahi, Javad Sharifi-Rad. 2021. „Ficus plants: a state of the art from a phytochemical, pharmacological and toxicological perspectives" Phytotherapy Research, 35 (3), 1187-1217. https://doi.org/10.1002/ptr.6884 (IF – 5,878)
15. Prithvi Simha, Melissa A. Barton, Luis Fernando Perez-Mercado, Jennifer R. McConville, Cecilia Lalander, Maria Elisa Magri, Shanta Dutta, Humayun Kabir, Albert Selvakumar, Xiaoqin Zhou, Tristan Martin, Thanasis Kizos, Rupam Kataki, Yoram Gerchman, Ronit Herscu-Kluska, Dheaya Alrousan, Eng Giap Goh, Daniela Elenciuc, **Aleksandra Głowacka**, Laura Korculanin, Rongyu Veneta Tzeng, Saikat Sinha Ray, Charles Niwagaba, Christine Prouty, James R. Mihelcic, Björn Vinnerås. 2021. Willingness among food consumers to recycle human urine as crop fertiliser: Evidence from a multinational survey. Science of the Total Environment, 765, 144438 https://doi.org/10.1016/j.scitotenv.2020.144438 (IF – 10,753).
16. Melissa A. Barton, Prithvi Simha, Maria Elisa Magri, Shanta Dutta, Humayun Kabir, Albert Selvakumar, Xiaoqin Zhou, Yaping Lv, Tristan Martin, Thanasis Kizos, Efthimia Triantafyllou, Rupam Kataki, Yoram Gerchman, Ronit Herscu Kluska, Dheaya Alrousan, Sahar Dalahmeh, Eng Giap Goh, Daniela Elenciuc, **Aleksandra Głowacka**, Laura Korculanin, Rongyu Veneta Tzeng, Saikat Sinha Ray, Mahesh Ganesapillai, Charles Niwagaba, Christine Prouty, James R. Mihelcic, Björn Vinnerås. 2021. Attitudes of food consumers at universities towards recycling human urine as crop fertiliser: A multinational survey dataset. Data in Brief, 35, 106794. https://doi.org/10.1016/j.dib.2021.106794
17. **Głowacka A**. 2021. Skuteczność chwastobójcza wybranych herbicydów stosowanych w jęczmieniu jarym. Agronomy Science, VOL. LXXVI (4), 19-28. https://doi.org/10.24326/as.2021.4.2

18. Borkowska H., Molas R., Skiba D., **Głowacka A**., 2020. Quantifying the peak yields of four cellulosic bioenergy crops in the East-Central Poland. Agronomy Science, vol. 75 (1).: 29-41. DOI: https://doi.org/10.24326/as.2020.1.3
19. Szostak B., **Głowacka A**., Kasiczak A., Kiełtyka-Dadasiewicz A., Bąkowski M. 2020. Nutritional value of soybeans and the yield of protein and fat depending on the cultivar and nitrogen application. J. Elem., 25(1): 45 - 57. DOI: 10.5601/jelem.2019.24.2.1769 (IF = 0,949).
20. **Głowacka A.,** Szostak B., Klebaniuk, R. 2020. Effect of Biogas Digestate and Mineral Fertilisation on the Soil Properties and Yield and Nutritional Value of Switchgrass Forage. Agronomy 2020, 10(4), 490; https://doi.org/10.3390/agronomy10040490 (IF – 3,417)
21. Szostak B., **Głowacka A**., Klebaniuk R., Kiełtyka-Dadasiewicz A. 2020. Mineral composition of traditional non-GMO soybean cultivars in relation to nitrogen fertilization. The Scientific World Journal, Volume 2020, Article ID 9374564, https://doi.org/10.1155/2020/9374564
22. **Głowacka A**., Gruszecki T., Szostak B., Michałek S. 2019. The response of common bean to sulphur and molybdenum fertilization. International Journal of Agronomy. Vol. 2019, ID 3830712, 8 pages, doi.org/10.1155/2019/3830712
23. **Głowacka A**., Kasiczak A., 2019. Efektywność rolnicza i ekonomiczna nawożenia azotem i siarką w uprawie soi. Agronomy Science, vol. LXXIV (1): 43-51, DOI: 10.24326/as.2019.1.4.
24. Kasiczak A., **Głowacka A.** 2019. Zmiany w liczebności i powierzchni certyfikowanych gospodarstw ekologicznych w Polsce po przystąpieniu do Unii Europejskiej. Agronomy Science, vol. LXXIV (2): 25-35. http://dx.doi.org/10.24326/as.2019.2.3
25. Stryjecka M., Kiełtyka-Dadasiewicz A., Michalak M., Rachoń L., **Głowacka A.** 2019. Chemical composition and antioxidant properties of oils from the seeds of five apricot (*Prunus armeniaca* L.) cultivars. Journal of Oleo Science, 68 (8), 729-738. doi: 10.5650/jos.ess19121 (IF = 1,304)
26. Kawecki B., Podgórski J., **Głowacka A**. 2019. Natural plant stems modelling in a three point bending test. MATEC WEB OF CONFERENCES - 2019, vol. 252, s. 1-5. DOI: https://doi.org/10.1051/matecconf/201925207001
27. Kawecki B., J. Podgórski, **A. Głowacka**. Methods for determining elastic modulus in natural plant stems /. [W]: Advances and Trends in Engineering Sciences and Technologies III. 2019, s. 143-154. ISBN: 978-0-367-07509-5, eds.: Mohamad AL Ali & Peter Platko.- Londyn : CRC Press / Balkema, 2019.- 746 s.
28. **Głowacka A**., Szostak B., Klebaniuk R., Kiełtyka-Dadasiewicz A. 2018. Is strip cropping effective way for maize biofortyfication?. Journal of Chemistry, Vol. 2018 s. 1-8, DOI: https://doi.org/10.1155/2018/1601920 (IF – 1,727)
29. **Głowacka A**., Kasiczak A., Michałek S. 2018. The influence of different methods of weed regulation on seeds yield and protein content of common bean (Phaseolus vulgaris L.). Agronomy Science, VOL. LXXIII (4): 83-92, DOI: 10.24326/asx.2018.4.8. (9 pkt.)
30. **Głowacka A**., Klikocka H., Szostak B., Narolski B. 2017. Wpływ regulacji zachwaszczenia i sposobu uprawy na dostępność fosforu dla roślin uprawnych. Polish Journal of Agronomy, 28: 3-11. (10 pkt.) DOI 10.26114/pja.iung.241.2017.28.01.
31. Szostak B., Klikocka H**., Głowacka A**. 2017. Produkcja krajowych surowców wysokobiałkowych na cele paszowe – stan i perspektywy. Przegląd Hodowlany, 3: 19-21.

32. **Głowacka A**., Zych M., Żołnierczuk J. 2016. Środowiskowe i ekonomiczne skutki wykorzystania ziarna owsa na cele energetyczne. Inżynieria Ekologiczna, 49: 117-123. DOI: 10.12912/23920629/64513
33. Sawicka B., Ali Hulali Noaema, **Głowacka A**. 2016. Próby prognozowania wielkości areału ziemniaka jako surowca do produkcji bioetanolu. Tests prediction of area the potato cultivation of as a raw material for bioethanol production. W: Alternatywne źródła energii-wybrane zagadnienia. Monografia naukowa. Wyd. Nauk. TYGIEL sp. z o.o., ISBN 978-83-65598-11-0, s. 158-174.
34. **Głowacka A**. 2016. The role of intercropping in plant biofortyfication. In: 'Cropping Systems: Applications, Management and Impact'. Editor Johanna G. Hodges, Nova Science Publisher Inc., NY USA, ISBN 978-1-63485-888-5: s 1-24.
35. **Głowacka A**, Klikocka H., Onuch J. 2015. Content of zinc and iron in common bean seeds (Phaseolus vulgaris L.) in different weed control methods. Journal of Elementology, 20(2): 293-303. DOI: 10.5601/jelem.2014.19.2.499
36. Klikocka H., Kobiałka A., Juszczak D., **Głowacka A.** 2015. The influence of sulphur on phosphorus and potassium content in potato tubers (Solanum tuberosum L.). Journal of Elementology, 20(3): 621-629, DOI: 10.5601/jelem.2014.19.2.661
37. Klikocka H., Szostak B., Gaj R., **Głowacka A**., Narolski B. 2015. Pobranie fosforu przez ziarno pszenżyta jarego na tle uprawy roli i nawożenia mineralnego oraz właściwości chemicznych gleby. Polish Journal of Agronomy, 21: 3-10.
38. **Głowacka A**. 2014. The effects of strip cropping and weed control methods on yields of dent maize, narrow-leafed lupin and oats. International Journal of Plant Production, 8 (4): 505-529.
39. Klikocka H., Juszczak D., **Głowacka A**., Cybulska M., Kozłowski H. 2014. Wpływ uprawy roli i nawożenia siarką na komponenty plonu pszenżyta jarego. Fragmenta Agronomica, 31(4): 47–57.
40. **Głowacka A**. 2013. Content and uptake of nutrients by maize and accompanying weeds. LAP Lambert Academic Publishing, Saarbrucken, Germany ISBN 978-3-659-40866-3, ss. 129.
41. Klikocka H., Cybulska M, Podleśna M., Zarychta M., Narolski B, **Głowacka A**., Stepaniuk M., Stepaniuk S. 2013. The implementation manual 'Agrotechnology of spring wheat', Soil Science and Plant Cultivation, State Research Institute (IUNG-PIB) in Puławy, pp. 38, ISBN – 978-83-7562-096-2. (in Polish)
42. **Głowacka A**. 2012. Content and uptake of microelements (Cu, Zn, Mn, Fe) by maize (Zea mays L.) and accompanying weeds. Acta Agrobotanica, 65 (4), 179-188.
43. Klikocka H., **Głowacka A**., Cybulska M., Juszczak D., Pawliszak R. 2012. Energetic effectiveness of spring barley production depended of soil tillage and different mineral fertilization. Fragmenta Agronomica, 29 (3): 71-80. (in Polish)
44. **Głowacka A**. 2011. The condition and the possibility of cultivation of legumes as a source of valuable protein for human consumption and animal feed in the Lublin province. Sciences Business. Association of Economic and Social Development in Chełm 'CIVIS', ISBN 978-83-62141-17-3, 507-532. (in Polish)
45. Kościk B., **Głowacka A**., Juszczak D., 2010: Analysis of economic determinants of starting a business. In: Academic entrepreneurship. Pietrzak Press, Tomaszów Lubelski, ISBN 978-83-923665-6-0: 69-94. (in Polish)

46. Klikocka H**., Głowacka A**. 2011. Productivity of agroecosystem on an example of potato cultivation under differentiated agrotechnical conditions. Zesz. Prob. Post. Nauk Rol., 559: 105-114. (in Polish)
47. **Głowacka A.** 2011. Dominant weeds in maize cultivation and their competitiveness under conditions of various methods of weed control. Acta Agrobotanica, 64(2): 27-34.
48. **Głowacka A.** 2011. The influence of strip intercropping on size and structure of common bean yield at different methods of weed control. Biuletyn IHAR, 259: 171-178. (in Polish)
49. **Głowacka A**. 2011. Economic effectivenes of production of chosen cereals and pulses plant. Roczniki Naukowe Stowarzyszenia Ekonomistów Rolnictwa i Agrobiznesu „SERiA", t. XII, 7: 21-25. (in Polish)
50. **Głowacka A**., Klikocka H. 2011. Comparison of energy-effectiveness of spring barley and oat production in different methods of weed regulation. Roczniki Naukowe Stowarzyszenia Ekonomistów Rolnictwa i Agrobiznesu „SERiA", t. XII, 7: 26-30. (in Polish)
51. **Głowacka A. 2011**. Changes of phosphorus and potassium content and intake in maize as result of different methods of cropping and weed control. Fragmenta Agronomica, 28 (3): 26-34. (in Polish)
52. **Głowacka A.**, Klikocka H., Juszczak D. 2011. The influence of cropping and weed control methods on magnesium and calcium content and intake in maize. Fragmenta Agronomica, 28 (4): 25-32. (in Polish).
53. Klikocka H., **Głowacka A.**, Juszczak D. 2011. The influence of different soil tillage methods and mineral fertilization on the economic parameter of spring barley. Fragmenta Agronomica, 28 (2): 44-54. (in Polish)
54. **Głowacka A.** 2010. Energetic and economy evaluation of common bean production technology. Roczniki Naukowe Stowarzyszenia Ekonomistów Rolnictwa i Agrobiznesu „SERiA", t. XII, 7: 13-17. (in Polish)
55. **Głowacka A.** 2010. Production and utilization of grain legumes in Poland and in the EU. Roczniki Naukowe Stowarzyszenia Ekonomistów Rolnictwa i Agrobiznesu „SERiA", t. XII, 7: 18-22. (in Polish)
56. **Głowacka A.** 2010. Yielding and yield structure of spring wheat in dependence of different systems of cultivation and tending. Biuletyn IHAR, 256: 73-80. (in Polish)
57. **Głowacka A.** 2010. Changes in weed infestation of common bean (Phaseolus vulgaris L.) under conditions of strip cropping and varied tending methods. Acta Agrobotanica, 63(2): 171-178.
58. **Głowacka A.** 2010. Changes of nitrogen contents in soil and feed maize as a result of different methods of cropping and weeding control. Zesz. Prob. Post. Nauk Rol., 556: 85-91. (in Polish)
59. Klikocka H., **Głowacka A**., Juszczak D. 2010. Effect of the different ridge soil tillage and intercrop of Brassicaceae on potato canopy weed infestation and ecological indices. Zesz. Prob. Post. Nauk Rol., 556: 837-846.
60. **Głowacka A.** 2010. The allelopathic effect of crop plants on germination of chosen weeds species. Zesz. Prob. Post. Nauk Rol., 556: 383-388. (in Polish)
61. **Głowacka A**. 2009. Energy efficiency of spring wheat production by different cultivation and tending methods. Roczniki Naukowe Stowarzyszenia Ekonomistów Rolnictwa i Agrobiznesu „SERiA, t. XI, 7: 5-8. (in Polish)

62. **Głowacka A**. 2009. The influence of strip intercropping systems on weed infestation in spring wheat. Annales UMCS sec. Agricultura, LXIV(4): 114-121. (in Polish)
63. **Głowacka A.** 2009. Weed infestation of spring wheat in monoculture and crop rotation depending on the level of tending. Zesz. Prob. Post. Nauk Rol., 542: 157-166. (in Polish)
64. **Głowacka A.** 2008. The effects of foliar micronutrients fertilization and of plant protection products on common bean yield (Phaseolus vulgaris L.). Biuletyn IHAR, 248: 97-104. (in Polish)
65. **Głowacka A**. 2008. The effect of strip cropping on dimension and structure of maize yield cultivated for silage. Fragmenta Agronomica, 25(3): 52-60. (in Polish)
66. **Głowacka A**. 2007. The influence of strip intercropping system on weed infestation in maize. Acta Agrophysica, 10(3): 573-582. (in Polish)
67. Reszel R., Reszel H., **Głowacka A.** 2007. Phytoavailability of copper and zinc from soil reclaimed by lime-treated sewage sludge and other waste. Environment Protection Engineering, 33, 2: 205-210.
68. **Głowacka A.** 2006. Influence of cropping systems and care methods on weed biodiversity in spring wheat. Acta Agrophysica, 8(3): 569-578. (in Polish)
69. Kościk B., **Głowacka A.**, Kowalczyk-Juśko A., Wyłupek T. 2005. Estimation of biomass potential to direct burn for energy purposes – methodology problems. Roczniki Naukowe Stowarzyszenia Ekonomistów Rolnictwa i Agrobiznesu „SERiA", T.VII, 7: 160-165. (in Polish)
70. **Głowacka A**. 2005. Changes in land use type within the area of selected communes in Lublin province in the least years. Roczniki Naukowe Stowarzyszenia Ekonomistów Rolnictwa i Agrobiznesu „SERiA", T.VII, 7: 70-74. (in Polish)
71. Reszel R., Reszel H., **Głowacka A**. 2003: Altered properties of light soils improved with lime-treated sewage sludge or its mixture with sugar beet flum washing earth and straw ash. Electronic Journal of Polish Agricultural Universities, Environmental Development, Vol. 6, Issue 2. http://www.ejpau.media.pl/volume6/issue2/environment/art-04.html
72. Reszel R., Reszel H., **Głowacka A.** 2004. The reaction of maize to fertilizing light soils with lime-treated sewage-sludge, its mixtures with sugar-beet washing earth from sugar plant sediment tanks and with ash from straw burning stations. Annales UMCS, Sec. E, LIX, 2: 697-703. (in Polish)
73. Reszel R., **Głowacka A**. 2004. The influence of lime-treated sewage sludge and its mixture with sugar beet washing earth and straw ash on Fe and Mn content in light soil and maize. Zesz. Prob. Post. Nauk Rol., 502: 967-972. (in Polish)
74. Reszel R.S., Reszel H., **Głowacka A**. 2001. Changes in the contents of organic carbon in light soil fertilised with sewage sludge, sugar-beet washing earth and straw ash. Acta Agrophysica, 52: 209-217.
75. Reszel R.S., **Głowacka A**. 1999. Comparison of the effect of lime-stabilized sewage sludge and NPK on the content of nutrients in light soil and maize. Ochrona Środowiska i Zasobów Naturalnych 18: 365-371. (in Polish)
76. Reszel R.S., Reszel H., **Głowacka A**. 1999. The possibility of reducing the content of phenolic acids in the soil fertilized with lime-stabilised sewage sludge by other wastes. Roczniki Akademii Rolniczej w Poznaniu CCCX, Melioracje i Inżynieria Środowiska 20, cz. II.: 331-337.
77. Trautman J., Tarkowski J., **Głowacka A.** 1993. The evaluation of milk yield and the lactation curves of Simmental and Red-and-White cows. „Animal Production and

Natural Environment". Publishing house of University of Agricultural Science in Lublin: 99-103.