



Curriculum vitae

Name: Mercedes García Sánchez

Date: February 2017

Personal data

Family name: García Sánchez

Name: Mercedes

ID/Passport no: 76148941-N

Date and place of birth: June 6, 1980. Baza, Spain

Gender: Female

Citizenship: Spanish

Languages: Spanish (mother tongue), English (fluently) and Italian (fluently)

ORCID No. 0000-0001-5967-4091

Present professional status

Institution: Czech University of Life Sciences (CLUS) (<http://www.czu.cz/en/>).

Institute: Faculty of Agrobiological Sciences and Natural Resources. Department of Agro-Environmental Chemistry and Plant Nutrition (http://home.czu.cz/garcia_sanchez/).

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Professional status: Senior postdoctoral researcher

Present research area

My research experience is focused on the functional ecology, and soil biochemistry, with emphasis in elucidating the role of plants and soil microorganisms in the functioning of ecosystems (agricultural and degraded soils), often linked to waste products from agro-industrial activities and/or bioenergy processes.

Key-words: Agricultural and degraded soils, functional ecology, plant nutrition, plant physiology, plant biochemistry, soil biology and biochemistry, soil amendments, soil saprobe fungi, and sustainable agriculture.

Description of academic career

- 1. October 2015-present:** Postdoctoral researcher at Czech University of Life Sciences (Prague, Czech Republic).
- 2. April 2013- September 2015:** Postdoctoral research fellow from the Czech Government and European Union (POSTDK CZU-CZ.1.07/2.3.00/30.0040) to start studies at the Czech University of Life Sciences (Prague, Czech Republic). Hosted by Prof. Jirina Szakova, Csc.
- 3. November 2012-March 2013:** Postdoctoral researcher at the Company Micelios del Sur, S.L (Purullena, Granada), *spin-off* belong to University of Granada.
- 4. July 2010- December 2011:** Research fellowship to achieve a PhD (CSIC-I3P) in the Estación Experimental del Zaidín (Centre of the Spanish National Research Council) (EEZ-CSIC).
- 5. February 2010- June 2010:** Fellowship for international exchange (CSIC-I3P) in the Department of Biology Vegetal (University of Bari, Italy). Hosted by D. Concetta de Pinto.
- 6. July 2008- January 2010:** Research fellowship to achieve a PhD (CSIC-I3P) in the Estación Experimental del Zaidín (Centre of the Spanish National Research Council) (EEZ-CSIC). PhD in Biology at the University of Granada (30.09.2011). **PhD Thesis titled:** Oxidative Stress and Other Responses Physiological Induced by Aqueous Extract from Dry Olive mill Residue (ADOR) Bioremediated by Saprobe Fungi in Tomato Plants (*Solanum lycopersicum*, L). *Summa cum Laudem* (top academic mark).
- 7. February 2008- June 2008:** Fellowship for national exchange (CSIC-I3P) in the Department of Plant Physiology (University of Extremadura, Spain). Hosted by D. Francisco Espinosa.
- 8. January 2007- January 2008:** Research fellowship to achieve a PhD (CSIC-I3P) in the Estación Experimental del Zaidín (Centre of the Spanish National Research Council) (EEZ-CSIC).
- 9. June 2007:** Master in Agricultural Sciences at the University of Granada.
- 10. June 2006:** XLIII International course of soil science, soil fertility and vegetal biology in the University of Granada.
- 11. 2005-2006:** Graduate studies of Agricultural Sciences at the of University of Granada.
- 12. February 2005:** Certificate of Pedagogic Aptitude at the University of Granada.

13. **October 2004** : BSc in Biology in the University of Granada. Mark: 2.15 (scale 1-4).

Funded projects

1. **Production of rot-white mushroom using bioenergy and forestry residues.**

Financial entity: Czech Government. Duration: 2015-2017. Project leader: Prof. Ing. Pavel Tlustos, Csc.

2. **Resource preservation by Application of BIOEFFECTORS in European Crop Production.** Financial entity: European Union; Duration: 2012-2017. Project leader: Dr. Torster Müller.

3. **Biotransformation of agro industrial residues by ligninolytic agaricomycetes fungi to produce an organic fertilizer and extracellular enzymes.** Financial entity: MEC Program of integrated action DE2009-0081 Duration: 2010 to 2012; Project leader: Inmaculada García-Romera.

4. **Biodegrading of PAHs by mycorrhizal and saprobe fungi.** Financial entity: Autonomic Government (Junta de Andalucía) Duration: 2010 to 2013; Project leader: Inmaculada García-Romera.

5. **Impact of dry olive oil residue bioremediated by saprobe fungi producers of laccase in growth of plants and quality of soil.** Financial entity: Ministry of Science and Technology of Spanish government (AGL2008-00572) Duration: 2009 to 2011; Project leader: Inmaculada García-Romera.

6. **Bioremediation of dry olive oil residue by hydrolytic and ligninolytic enzymes produced or induced by saprobe and mycorrhizal fungi and their use as a fertilizer.** Financial entity: Ministry of Science and Technology of Spanish government (AGL2004-00036AGR) Duration: 2005 to 2008; Project leader: Inmaculada García Romera.

Peer-reviewed publications (symbol as * specify publications presented as first author and corresponding author)

1. **García-Sánchez M***, Taušnerova H., Hanc A., Tlustoš P. Stabilization of different starting materials through vermicomposting in a continuous-feeding system: changes in chemical and biological parameters. Accepted in *Waste Management*.

2. Hovorka M., Száková J., **García-Sánchez M.**, Blanc Acebal M., García-Romera I., Tlustos P **2016**. Risk element sorption/desorption characteristics of dry olive residue: a technique for the potential immobilization of risk elements in contaminated soils.

Environmental Science and Pollution Research. <http://dx.DOI 10.1007/s11356-016-7488-1>.

3. **García-Sánchez M***, Holeckova Z., Klouza M., Tlustos P., Szákova J **2016**. Organic and inorganic amendment application on mercury-polluted soils: Effects on soil chemical and biochemical properties. *Environmental Science and Pollution Research*. 23:14254-14268. <http://dx.DOI 10.1007/s11356-016-6591-7>.
4. Száková J., Burešová A., Praus L., **García-Sánchez M.**, Holečková Z., Gabriel J., Sysalová J., Červenka R., Komárek J., Grohová S., Tlustoš P **2016**. The response of mercury (Hg) transformation in soil to sulfur and sulfur-rich biowaste application. *Environmental Earth Sciences*. 75: 584. <http://dx.DOI 10.1007/s12665-016-5387-x>.
5. **García-Sánchez M***, Siles JA, Cajthaml T, García-Romera, Tlustos P, Száková J **2015**. Effects of digestate and fly ash applications on soil functional properties and microbial communities. *European Journal of Soil Biology*, 71:1-12.
6. **García-Sánchez M.***, García-Romera I, Cajthaml T, Tlustos P, Száková J **2015**. Changes on soil microbial community functionality and structure of metal polluted site: effect of different digestate and fly-ash application. *Journal of the Environmental Management*, 162: 63-73.
7. **García-Sánchez M.**, García-Romera I, Száková J., Kaplan L., Tlustos P **2015**. The effectivity of various amendments to reduce the mobility of risk elements in multicontaminated soils. *Environmental Science and Pollution Research*. 18: 14325-14336. <http://dx.DOI 10.1007/s11356-015-4678-1>.
8. **García-Sánchez M.***, Spikova A., Száková J., Kaplan L., Ochečová P., Tlustos P. **2014**. Applications of organic and inorganic amendments induce changes in the mobility of mercury and macro-and micronutrients of soils. *The Scientific World Journal (Soil Science: Impact of Land Use Change on Soil Properties and Processes)* <http://dx.doi.org/10.1155/2014/407049>.
9. **García-Sánchez M.***, Palma-Martínez J.M., García-Romera I., Aranda E. **2014**. Arbuscular mycorrhizal symbiosis alleviates the oxidative stress induced by ADOR and enhancement the antioxidant response of tomato plants (*Solanum lycopersicum* L.). *Journal of Plant Physiology* 171: 421 – 428.
10. **García-Sánchez, M.**, Paradiso, A., García-Romera, I., Aranda, E., de Pinto, M.C. **2014**. Bioremediation of aqueous extract from dry olive mill residue removes inhibition of growth induced by this waste in tomato plants. *International Journal of Environmental Science and Technology* 11 (1): 21-32.

11. Garrido I., **García-Sánchez M.**, Casimiro I., Casero P.J., García-Romera I., Ocampo J.A., Espinosa F. **2012**. Oxidative stress induced in sunflower seedling roots by aqueous dry olive mill-residue. *PLoS ONE* 7(9): e46137. doi:10.1371/journal.pone.0046137.
12. **García-Sánchez M.**, Garrido, I., Casimiro, I., Casero, P.J., García-Romera I., Espinosa, F., Aranda, E. **2012**. Defence response of tomato seedlings to oxidative stress induced by phenolic compounds from dry olive mill residue. *Chemosphere* 89: 708-716.
13. Aranda E., Sampedro I., **García-Sánchez M.**, Reina, R., Arriagada, C., García-Romera I., Ocampo J.A. **2012**. Reduced dry olive mill residue phytotoxicity in the field caused by the combination of physical and biological treatments. *Journal of Soil Science and Plant Nutrition* 12(4):631-635.
14. Arriagada, C., **García-Sánchez M.**, Díaz, R., Sampedro, I., Aranda, E., García-Romera, I., Ocampo, J.A. **2012**. Suppressive effect of olive residue and saprophytic fungi on the growth of *Verticillium dahliae* and its effect on the dry weight of tomato (*Solanum lycopersicum*, L). *Journal of Soil Science and Plant Nutrition* 12 (2): 307-317.
15. **García M.**, Arriagada C., García-Romera, I., Ocampo, J.A. **2011**. Are plant cell wall hydrolysing enzymes of saprobe fungi implicated in the biological control of the *Verticillium dahliae* pathogenesis? *Crop Protection* 30: 85-87.
16. Aranda E., Sampedro I., Díaz R., **García-Sánchez M.**, Siles J.A., Ocampo J.A., García-Romera I. **2010**. Dry matter and root colonization of plants by indigenous arbuscular mycorrhizal fungi with physical fractions of dry olive mill residue inoculated with saprophytic fungi. *Spanish Journal of Agricultural Research* 81(S1): 79-85.
17. Aranda E., Sampedro I., Díaz R., **García-Sánchez M.**, Arriagada, C.A., Ocampo J.A., García-Romera I. **2009**. The effects of the arbuscular mycorrhizal fungus *Glomus deserticola* on growth of tomato plants grown in the presence of olive mill residues modified by treatment with saprophytic fungi. *Symbiosis* 47: 133-140.
18. Sampedro I., Aranda E., Díaz R., **García-Sánchez M.**, Ocampo J.A., García-Romera I. **2008**. Saprobe fungi decreased the sensitivity to the toxic effect of dry olive mill residue on arbuscular mycorrhizal plants. *Chemosphere* 70: 1383-1389.
19. Aranda E., Sampedro I., Díaz R., **García M.**, Ocampo J.A., García-Romera I. **2007**. Xyloglucanases in the interaction between saprobe fungi and the arbuscular mycorrhizal fungus *Glomus mosseae*. *Journal of Plant Physiology* 164: 1019-1027.

Science divulgation articles and activities

1. Sampedro, I., Díaz, R., Siles, J.A., Aranda, E., **García-Sánchez, M.**, Ocampo, J.A., García-Romera, I (2010) Transformación del alpeorujo con hongos para la obtención de un fertilizante orgánico. *Retema, Environment technology magazine (Spanish journal)* **141**: 50-55.
2. Participation in “*Science and Technology Week*” from 20-26th November 2006 in Granada.

Full books

1. **García-Sánchez M, 2013**. Oxidative Stress and Other Physiological Responses Induced by an Aqueous Extract from Dry Olive mill Residue (ADOR) Bioremediated by Saprobe Fungi in Tomato Plants (*Solanum lycopersicum*, L). University of Granada (Ed), Granada (Spain). Vol. 1: 1-261. ISBN: 978-84-9028-018-8.

Books chapters

1. **García-Sánchez M.**, Száková, J, **2016**. Biological remediation of environments polluted by mercury. Plant Metal Interaction: Emerging remediation techniques. Parvaiz Ahmad (Ed), Elsevier. Vol 1: 307-330. ISBN: 978-0-12-803158-2.
2. **García-Sánchez M.**, García-Romera I., Ocampo J.A., Aranda E, **2015**. Physiological responses of mycorrhizal symbiosis to soil pollutants. Plant Environment Interaction: Responses and Approaches to Mitigate Stress. In: Mohamed Mahgoub Azooz, and Parvaiz Ahmad (Eds), Wiley-Blackwell. Vol 1: 214-233. ISBN: 978-1-119-08099-2.
3. **García M.**, Morales-Vela G., García-Garrido J.M., García-Romera I., Ocampo J.A, **2008**. Enzymes implicated in the formation and development of arbuscular symbiosis. Topics about diversity and biotechnology of microscopic fungi. In: G. Heredia (Ed), Program Latin American of Science and Technology to Development. (CYTED) and Ecology Institute, A.C. Xalapa, Ver. México. Vol. 1: 230-248. ISBN: 970-709-104-5
4. Aranda E., Sampedro I., Díaz R., **García M.**, Ocampo J.A., García-Romera I, **2008**. Transformation of residues from olive oil extraction by strains fungal. Topics

about diversity and biotechnology of microscopic fungi. In: G. Heredia (Ed), Program Latin American of Science and Technology to Development. (CYTED) and Ecology Institute, A.C. Xalapa, Ver. México. Vol. 1: 299-317. ISBN: 970-709-104-5.

Presentations to scientific meetings

1. Száková J., **García-Sánchez M.**, Blanc Acebal M., García-Romera I., Tlustos P. Risk elements (Cd, Pb) sorption characteristics in soil treated by biological fungal transformation of dry olive residue (DOR). International Conference of Heavy Metals in the Environment. Ghent, (Belgium), 2016.
2. **García-Sánchez M.**, Siles JA, Cajthaml T, García-Romera I, Kaplan L, Tlustos P, Száková J. Digestate and fly ash applications in agricultural soils: impact in the biomass and biodiversity of fungal communities. Ecology of Soil Microorganisms. Prague, (Czech Republic), 2015.
3. Mercl F, **García-Sánchez M.**, Kulhánek, Tlustos. Fungal bioeffectors improved release of nutrients from soil amended by wood ash. Bioeffector meeting (Bioeffector project no. 7E13037), Budapest (Hungary), 2015.
4. **García-Sánchez M.**, García-Romera I, Tlustos P, Száková J. Assessing of the impact digestate and fly-ash application on the interaction between soil microbial activity and communities and metals concentrations in a contaminated site. 14th International Symposium for Soil and Plant Analysis. Hawaii, (United States), 2015.
5. **García-Sánchez M.**, Sipkova A., Száková J., Tlustos P. Influence of mercury mobility on microbial activities of soil treated using different amendments. Poster. 9th International Soil Sciences Congress on The soul of Soil and Civilization. Antalya, (Turkey), 2014.
6. **García-Sánchez M.**, Sipkova A., Száková J., Kaplan L., Tlustos P. Digestate as an effective agent for mercury bioremediation. Poster Awarded in the XVI International Biodeterioration and Biodegradation Symposium. Lodz (Poland), 2014.
7. **García-Sánchez M.**, Palma J., Ocampo JA., García-Romera I., Aranda E. Biological treatment of an aqueous extract from dry olive residue can alleviate its phytotoxic properties on tomato plants inoculated with arbuscular mycorrhizal fungi. Poster. BioMicroWorld. Madrid (Spain), 2013.
8. Kaplan L., **García Sanchez M.**, Ohecová P., Száková J., Tlustoš P. The effect of biomass ash as a source of macro and micronutrients for *Chrysanthemum x grandiflorum* planting. Poster. XVII EuroAnalysis. Warsaw (Poland), 2013.

9. García-Romera I., Sampedro I., Aranda E., Díaz R., **García-Sánchez M.**, Siles J.A., Prego R., Godoy P., Ocampo J.A. Applications agro industrials of dry olive oil residue treated with saprobe fungi. Poster. I Symposium cei A3. Córdoba (Spain), 2010.
10. **García-Sánchez M.**, de Pinto C., De Gara L., Montesano F., García-Romera I., Paradiso A. Effect of aqueous extract from dry olive residue (ADOR) on growth and cellular redox state in tomato plants (*Solanum lycopersicum* L.). Poster. II Congress of Society Italian of Biology Vegetal. Roma (Italy), 2010.
11. Garrido I., **García-Sánchez M.**, García-Romera I., Ocampo J.A., Espinosa F. Effects of treatment with ADOR on oxidative activity in axenic sunflower roots. Poster. XVII Congress of the Federation of European Societies of Plant Biology (FESPB). Valencia (Spain), 2010.
12. **García-Sánchez M.**, Aranda E., Reina R., García-Romera I., Ocampo J.A. Effects of aqueous extract from dry olive residue (ADOR) on the physiology of tomato plants: Oxidative stress and changes in the antioxidants systems. Poster. XVII Congress of the Federation of European Societies of Plant Biology (FESPB). Valencia (Spain), 2010.
13. **García-Sánchez M.**, Garrido I., García-Romera I., Ocampo J.A., Espinosa F. Effects of response oxidative produced by dry olive residues on seedlings roots of *Solanum lycopersicum*. Poster. I Simposium Tecnological of tomato industry. Badajoz (Spain), 2009.
14. Sampedro I., Siles J.A., Díaz R., **García-Sánchez M.**, Giubilei M., Federici E., Federici F., Petruccioli M., Ocampo J.A., García-Romera I., D'Annibale A. Effects of olive mill wastes on the microbial ecology of soil. Oral communication. XIII International Trade Fair of Material and Energy Recovery and Sustainable Development. Rimini (Italia), 2009.
15. Garrido I., **García-Sánchez M.**, García-Romera I., Ocampo J.A., Espinosa F. Seedlings roots of *Helianthus annuus* L. response to dry olive residues treated with saprobe fungi. Poster. XVIII Meeting of Spanish Society of Plant Physiology (SEFV). Zaragoza (Spain), 2009.
16. **García-Sánchez M.**, Garrido I., García-Romera I., Ocampo J.A., Espinosa F. Effects of response oxidative produced by dry olive residues on seedlings roots of *Solanum lycopersicum*. Poster. XVIII Meeting of Spanish Society of Plant Physiology (SEFV). Zaragoza (Spain), 2009.

17. Sampedro I., Aranda E., Díaz R., **García-Sánchez M.**, Ocampo J.A., García-Romera I. Effects of arbuscular mycorrhizal fungus on growth of tomato in presence of olive mill residues modified by saprophytic fungi. Oral communication. COST meeting 870: New scientific perspectives and technological approaches for mycorrhizal application. Calella (Barcelona), 2009.
18. Aranda E., Sampedro I., Díaz R., **García-Sánchez M.**, Ocampo J.A., García-Romera I. Biological and physical treatments to decrease the phytotoxicity of dry olive residue. Oral communication. International Conference of new technologies for the treatment and valorization of agro by-products. Terni (Italia), 2007.
19. **García-Sánchez M.**, Díaz R., Aranda E., Ocampo J.A., García-Romera, I. Valorization of dry olive oil residue by physical and biological treatments. Poster. XIII Symposium Scientific and Technological of EXPOLIVA. Jaén (Spain) 2007.
20. Aranda E., Sampedro I., Díaz R., **García-Sánchez M.**, Ocampo J.A., García-Romera I. Transformation of residues from olive oil extraction by fungi. Oral communication. IX Congress National of Mycology. Ensenada (Baja California, México) 2006.
21. **García M.**, Sampedro I., Ocampo J.A., García-Romera I. Xyloglucanases in the interaction between *Sinorhizobium meliloti*, *Rhizobium leguminosarum* *bv. viceae* and *Glomus mosseae*. Poster. 5th Conference International on Mycorrhiza (ICOM5). Granada (Spain) 2006.

Stays at research institutes

1. **Subject:** Response oxidative of tomato seedlings (*Solanum lycopersicum* L.) germinated in presence of an aqueous extract olive oil residue transformed by saprobe fungi.

Centre: Department of Plant Physiology, Faculty of Science (University of Extremadura). Badajoz, Spain.

Dates: February 2008 to June 2008.

Duration: 16 weeks.

2. **Subject:** Impact of the application of extract olive oil residue treated with saprobe fungi in the cellular redox status and antioxidants systems of tomato plants (*Solanum lycopersicum* L.).

Centre: Department of Biology Vegetal, Faculty of Science (University of Bari). Bari, Italy.

Dates: February 2010 to June 2010.

Duration: 16 weeks

3. **Subject:** Control and quality of compost for cultivation of edible mushrooms (*Pleurotus ostreatus*).

Centre: Micelios del Sur S.L. (University of Granada *spin-off*).

Dates: December 2012 to March 2013.

Duration: 16 weeks

Patents

1. Sampedro, I., Aranda, E., Díaz, R., Siles, J.A., **García-Sánchez, M.**, García-Romera, I., Ocampo, J.A. Method for increasing the production of a laccase of *Coriolopsis rigida* laccase using a biological inductor. REFERENCE NUMBER OF PUBLICATION: ES2365430. APPLICATION NUMBER: 201030417. DATE OF SUBMISSION: 23.03.2010. DATE OF AWARD: 14.01.2013. PRIORITY COUNTRY: España. HOLDER ENTITY: CSIC. ACCEPT.

Teaching activities

1. Soil microorganism: “Biological indicators in monitoring soil health contaminated with heavy metals”. **Place:** University of Hradec Kralové (Czech Republic). **Date:** 12th December 2013.
2. Soil microorganism as useful tools for the assessment of soil health. **Place:** Masaryk University, Brno (Czech Republic). **Date:** 30th October 2014.
3. Bioremediation of soil pollutants - an overview. **Place:** Masaryk University, Brno (Czech Republic). **Date:** 11th December 2014.
4. Soil microorganism as useful tools for the assessment of soil health. **Place:** Mendel University, Brno (Czech Republic). **Date:** 28th May 2015.

Directing thesis and/or projects

1. **Master thesis:** “Evaluation of different types of vermicompost by the assessment of microbial enzymatic activities”. **Student:** Hana Tausnerova. **University:** Czech University of Life Sciences (Prague, Czech Republic). **Date:** May 2015.
2. **Final bachelor project:** “Evaluation of metals sorption capacity of dry olive mill residue transformed by saprobe fungi”. **Student:** Mercedes Blanc Acebal. **University:** Czech University of Life Sciences (Prague, Czech Republic) and University of Valencia. **Date:** June 2015.

Others merit:

Peer review activities:

Journals

1. PLoS ONE. Title: ROS, REDOX ACTIVITIES AND NO PRODUCTION BY AXENICALLY CULTURED OLIVE (OLEA EUROPAEA, L.) SEEDLING ROOTS AFTER INTERACTION WITH MYCORRHIZAL AND PATHOGENIC FUNGI. Manuscript number: PONE-D-14-03357.
2. Plant Physiology and Biochemistry. Title: Higher hydrogen peroxide production on AM fungal colonization leads to increased artemisinin production. Manuscript Number: PLAPHY-D-14-00472.
3. Acta Physiologiae. Title: Plantarum Comparative effects of NaCl and NaHCO₃ stresses on respiratory metabolism, antioxidant system, nutritional status and accumulation of organic acid in tomato roots. Number of manuscript: ACPD-D-13-00415R1.
4. PLoS ONE. Title: Impacts of chemical fertilizer reduction and organic amendments supplementation on soil nutrient, microbial activity and heavy metal content. Number of manuscript: PONE-D-15-56468.
5. Environmental Science and Pollution Research. Title: Changes of Microbial Communities Under Multiple Heavy Metal Pollution: A Case of Study of Yinshan Lead-Zinc Mine, Jiangxi, China. Number of manuscript: ESPR-D-16-00310.
6. European Journal of Soil Biology. Title: Permanent inputs of organic residues on soil microbial biomass and activity in a long-term organic farming system. Number of manuscript: EJSOBI-D-16-00078.
7. Environmental Pollution. Title: The role of fruit fungi in bioleaching thermal power plant fly ash. Number of manuscript: ENVIPOD-D-16-00555.
8. Journal of Hazardous material. Title: Investigation on the bacterial community change in repeated Pb-polluted soil in the presence of BDE209. Number of manuscript: HAZMAT-D-16-00266.
9. Science of the Total Environment. Title: Long-term impact of hydroxyapatite and phytoextraction on the immobilization of copper (II) and cadmium (II) and microbial community structure in a metal-contaminated soil. Number of manuscript: STOTEN-D-16-03222.

Member of committee in:

1. PhD dissertation titled: “Soil Microbial response to biotransformed dry olive residue used as organic amendment”. PhD student: Jose Antonio Siles Martos. Place: University of Granada (Granada, Spain). Date: 30th April 2014.
2. Bachelor project titled: “Nanoparticles as sorbents of metal/metalloids: implications for plant physiology”. Bachelor student: Didac Barroso Bergadá. Place: Czech University of Life Sciences (Prague, Czech Republic). Date: 8th June 2015.

External reviewer in:

1. PhD dissertation titled: “Effects of agroindustrial by-products on wood-dwelling Agaricomycetes: lignocellulolytic enzyme enhancement and residue transformation”.
2. International project proposal within the area of agricultural and environmental sciences. The corresponding funding institutions were Austrian Foundation (FWF-Elise Ritscher programme) (timeframe: 15.08-03.10-2016) and Estonian Research Council (timeframe: 8.09-30.09.2016).
3. International project proposal within the area of agricultural and environmental sciences. The corresponding funding institutions were Austrian Foundation (FWF-Elise Ritscher programme) (timeframe: 15.08-03-10-2016) and Estonian Research Council (timeframe: 8.09-30.09.2016).

Awards and prizes:

Poster Awarded in the XVI International Biodeterioration and Biodegradation Symposium. Lodz (Poland), 2014: “**García-Sánchez M.**, Sipkova A., Száková J., Kaplan L., Tlustos P. Digestate as an effective agent for mercury bioremediation”.