

## GENERAL INFORMATION

Full Name: Roxanne Suzette Lorilla (R.S. Lorilla)

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## EDUCATION

- Sep 2016 – Jun 2020 **PhD in Geography.** Department of Geography, Harokopio University of Athens, Greece. *Title of thesis: Mapping and valuation of ecosystem services for informed decision making in spatial planning. Evaluation: Excellent.*
- Sep 2014 – Jul 2016 **MSc in Geoinformatics.** Department of Geography, Harokopio University of Athens, Greece. *Title of thesis: Assessing and mapping ecosystem services on the Ionian Islands. Degree classification: 9.5/10 (Excellent).*
- Oct 2010 – Dec 2014 **BSc in Technology of the Natural Environment.** Department of Environmental Technology, Technological Educational Institute of Ionian Islands (now Department of Environmental Sciences, Ionian University), Zakynthos - Greece. *Title of thesis: Mapping and assessing desertification risk on the Ionian Islands using spatial analysis methods. Degree classification: 8.21/10 (Very good).*

## EMPLOYMENT

- Sep 2020 – Current **Research Associate** at the National Observatory of Athens (Centre of Earth Observation Research & Satellite Remote Sensing, Institute for Astronomy, Astrophysics, Space Applications & Remote Sensing)  
*Ecosystem services modelling under the research project “National Research Network on the Impacts of Climate Change - CLIMPACT”.*
- Sep 2020 – Oct 2020; Oct 2018 – Nov 2018 **Research Associate** at Nature Conservation Consultants (ncc) Ltd. (Athens)  
*Mapping and assessing ecosystem services on the priority habitat type 9590\* in the Natura 2000 site Koilada Kedron-Kambos (LIFE-KEDROS).*
- Dec 2016 – Jun 2017 **Research Associate** at the Harokopio University of Athens (Department of Geography)  
*Assessing the socioeconomic profile of the residents of the municipality of Pavlos Melas, Thessaloniki (Greece) and its spatial structure.*
- Mar 2014 – Sep 2014 **Internship/Lab Assistant** at the Ionian University (Department of Environmental Sciences), Former Technological Educational Institute of Ionian Islands  
*Assistance for GIS and Remote Sensing lab courses; Mapping and assessing desertification risk on the Ionian Islands using spatial analysis methods.*
- Jun 2013 – Sep 2014 **Research Associate** at the University of West Attica (Department of Informatics and Computer Engineering), Former Technological Educational Institute of Piraeus  
*Data collection under the project “Multidisciplinary study of air-quality with emphasis indoors”.*

## GRANTS AND FUNDING

- Aug 2017– Feb 2020 PhD Fellowship Grant - General Secretariat for Research and Technology (GSRT) and the Hellenic Foundation for Research and Innovation (HFRI) [€27,900]
- Aug 2013 Grant for participation to the Summer School on Integrated Environmental Planning in an island environment held by the Technological Educational Institute of Ionian Islands [€300]

## ACADEMIC TEACHING

- Mar 2017 – Jun 2017 Teaching assistant – lectures, tutorials, examination and marking in Applied Spatial Analysis (Postgraduate Teaching Assistantship in Geo-informatics for the Harokopio University of Athens)

## PUBLICATIONS

### Peer-reviewed journal articles

- LORILLA, R.S.**, POIRAZIDIS, K., DETSIS, V., KALOGIROU, S., CHALKIAS, C. (2020) Socio-ecological determinants of multiple ecosystem services on the Mediterranean landscapes of the Ionian Islands (Greece). *Ecological Modelling*, 422C, 108994. DOI: 10.1016/j.ecolmodel.2020.108994.
- KEFALAS, G., KALOGIROU, S., POIRAZIDIS, K., **LORILLA, R.S.** (2019). Landscape transition in Mediterranean islands: the case of Ionian Islands, Greece 1985 – 2015. *Landscape and Urban Planning*, Volume 191, 103641. DOI: 10.1016/j.landurbplan.2019.103641.
- LORILLA, R.S.**, KALOGIROU, S., POIRAZIDIS, K., KEFALAS, G. (2019). Identifying spatial mismatches between the supply and demand of ecosystem services to achieve a sustainable management regime in the Ionian Islands (Western Greece). *Land Use Policy*, Volume 88, 104171. DOI: 10.1016/j.landusepol.2019.104171.
- LORILLA R.S.**, POIRAZIDIS K., KALOGIROU S., DETSIS V., MARTINIS, A. (2018). Assessment of the Spatial Dynamics and Interactions among Multiple Ecosystem Services to Promote Effective Policy Making across Mediterranean Island Landscapes. *Sustainability*, Volume 10, Issue 9, 3285. DOI: 10.3390/su10093285
- KEFALAS G., LATTAS P., XOFIS P., **LORILLA R.S.**, MARTINIS A., POIRAZIDIS K. (2018). The use of vegetation indices and change detection techniques as a tool for monitoring ecosystem and biodiversity integrity. *International Journal of Sustainable Agricultural Management and Informatics*, Volume 4, Issue 1, 47 - 67. DOI: 10.1504/IJSAMI.2018.092411.
- KOULOGLIOTIS, D., KALIMERIS, A., POTOZI, S., **LORILLA R.S.**, KEFALAS, G., NIKOLOPOULOS, D. (2015). Indoor Air Pollution: The Case of Ozone in Three Regions in Greece. *Physical Chemistry & Biophysics*, Volume 5, Issue 6, 1000191. DOI: 10.4172/2161-0398.1000191.
- KOTTOU, S., NIKOLOPOULOS, D., KOULOGLIOTIS, D., POULIEZOS, K., VOGIANNIS, E., GORGOLIS, N., **LORILLA, R.S.**, KEFALAS, G., POTOZI, S., CHALDEOS, Y., SEVVOS, T., PETRAKI, E., MICHAEL, C., MOUSTANIS, P., KALIMERIS, A., YANNAKOPOULOS, P.H. (2014). Preliminary study of distribution of indoor EMR in Greek dwellings. *Physica Medica*, Volume 30, Supplement 1, e91-e92. DOI: 10.1016/j.ejmp.2014.07.263.

## Full papers at Conferences & Congresses

- POIRAZIDIS, K., LATTAS, P., KEFALAS, G., **LORILLA, R.S.** & MARTINIS, A. (2017). Multi-Temporal Change Analysis of Biomass using Remote Sensing Data as a tool to monitoring Ecosystem and Biodiversity Integrity: The Case of Ilia – Greece. *Proceedings of the 18th Hellenic Forestry Congress & International Workshop*. Edessa, Greece, 8 – 11 October 2017. Available at: [https://www.forestry.gr/assets/pdf/praktika/PRC\\_WORK.pdf](https://www.forestry.gr/assets/pdf/praktika/PRC_WORK.pdf)
- KALOGEROPOULOS, K., ROUMELIS, S., CHALKIAS, C., PSAROGIANNIS, A., APOSTOLIDIS, V., DIGKAS, K., DIMITRAKI, K., DIMOPOULOU, E., KARKALETSOU, A., KEFALAS, G., **LORILLA R.S.**, MATALA, A., MAVROKEFALOU, G., SALONIKIDI, A., SOFIANOPOULOS, S., STAMELLOU, E., STATHOPOULOS, N., VOUTOS, G. (2015). A GIS – based model for solid waste collection management: The case of Heraklion city, Greece. *3rd INTERNATIONAL CONFERENCE on Sustainable Solid Waste Management*. Tinos Island, Greece, July 2015.
- KALOGEROPOULOS, K., ROUMELIS, S., CHALKIAS, C., PSAROGIANNIS, A., APOSTOLIDIS, V., DIGKAS, K., DIMOPOULOU, E., KARKALETSOU, A., KEFALAS, G., **LORILLA, R.S.**, MATALA, A., MAVROKEFALOU, G., SALONIKIDI, A., SOFIANOPOULOS, S., STAMELLOU, E., STATHOPOULOS, N., VOUTOS, G. (2015). Siting of sanitary landfills using GIS modelling: Empirical analysis in Tinos Island, Greece. *3rd INTERNATIONAL CONFERENCE on Sustainable Solid Waste Management*. Tinos Island, Greece, July 2015.
- NIKOLOPOULOS, D., KOTTOU, S., KOULOUGLIOTIS, D., VOGIANNIS, E., PETRAKI, E., GIANNAKOPOULOS, I., GORGOLIS, N., KEFALAS, G., POTOZI, S., **LORILLA, R.S.**, TEMENOS, N., TSELES, D. (2014). Background EMR measurements in Zante and Lesvos islands, Greece. *International Scientific Conference eRA-9 The SynEnergy Forum*. ISSN-1791-1133. T.E.I. of Piraeus, September 2014.
- CHAIDEFTOU, E., KEFALAS, G., **LORILLA, R.S.**, MARTINIS, A. & POIRAZIDIS, K. (2013). Changes in the biodiversity of forest ecosystems with different frequency of fires in Zakynthos. *Proceedings of the 16th Hellenic Forestry Congress & Annual meeting of Prosilva Europe*. p. 238 - 246. Thessaloniki, 6 - 9 October 2013. Available at: <http://gisc.gr/docs/proceedings/ProceedingsForestryConference2013.pdf>
- PETRAKI, E., GIANNAKOPOULOS, I., SEVVOS, T., ARGYRIOU, X., KOULOUGLIOTIS, D., KOTTOU, S., NIKOLOPOULOS, D., VOGIANNIS, E., GORGOLIS, N., ZISOS, I., KEFALAS, G., **LORILLA, R.S.**, POTOZI, S., ZISOS, I. (2013). Preliminary study of distribution of background EMR in Greek apartment dwellings. *International Scientific Conference eRA - T.E.I. of Piraeus*. p. 64 – 90. Piraeus Campus, 23 – 25 September 2013.
- NIKOLOPOULOS, D., PETRAKI, E., SEVVOS, T., CHALDEOS, Y., ARGYRIOU, X., FILTISAKOS, S., GORGOLIS, N., TEMENOS, N., KEFALAS, G., **LORILLA, R.S.**, POTOZI, S., CHATZISAVVAS, N., KOULOUGLIOTIS, D., KOTTOU, S., YANNAKOPOULOS, P., ZISOS, A. (2013). Factors affecting indoor radon and progeny concentration variations in Attica (Greece). *International Scientific Conference eRA - 8 T.E.I. of Piraeus*. p. 39 – 43. Piraeus Campus, 23 – 25 September 2013.
- NIKOLOPOULOS, D., PETRAKI, E., KOULOUGLIOTIS, D., KOTTOU, S., YANNAKOPOULOS, P., VOGIANNIS, E., FILTISAKOS, S., GORGOLIS, N., ARGYRIOU, X., SEVVOS, T., TEMENOS, N., CHALDEOS, Y., POTOZI, S., KEFALAS, G., **LORILLA, R.S.**, CHATZISAVVAS, N., ZISOS, A. (2013). Human radiation risk of due to radon and progeny: results from extended active measurements in Attica (Greece). *International Scientific Conference eRA - 8 T.E.I. of Piraeus*. p. 24 – 38. Piraeus Campus, 23 – 25 September 2013.

## Presentations and posters, incl. published abstracts

- LORILLA R.S.**, POIRAZIDIS, K. & DETSIS, V. (2019). Identifying the main explanatory variables of the supply and demand of multiple ecosystem services. *Proceedings of the 3rd Congress on GIS and Spatial Analysis in Agriculture and the Environment (Book of Abstracts)*. Agricultural University of Athens (Greece), 11-13 December 2019, pp. 55-56.
- ELIADES, N.-G., **LORILLA, R.S.**, KEFALAS, G., CHRISTOU, A., PAPASAVVAS, K., ANDREOU, M., KOYNNAMAS, K. & POIRAZIDIS, K. (2019). Mapping and assessing ecosystem services to ensure the long-term preservation of mountainous protected area: the case of Koilada Kedron-Kampos in Cyprus (Poster). *Proceedings of the 10th ESP World Conference (Book of Abstracts)*. Hannover, Germany, 21 – 25 October 2019, p. 136. Available at: <https://www.espconference.org/esp10/wiki/422544/book-of-abstracts>
- POIRAZIDIS, K., KEFALAS, G., XOFIS, P., **LORILLA, R.S.** & MARTINIS, A. (2018). Long-term monitoring of changes in forest cover in Dadia's National Park (Poster). *Proceedings of the 11th International Conference of the Hellenic Geographical Society (Book of Abstracts)*. Lavrion, Greece, 12 – 15 April 2018. Available at: <http://www.hellenicgeosociety.org/en/11th-conference-proceedings>
- LORILLA R.S.**, POIRAZIDIS, K., KALOGIROU, S. & MARTINIS, A. (2017). Mapping and identifying areas of high value in provisioning ecosystem services. *Proceedings of the 2nd Congress on GIS and Spatial Analysis in Agriculture and the Environment (Book of Abstracts)*. Agricultural University of Athens (Greece), 25-26 May 2017, pp. 60-61.
- LORILLA R.S.**, POIRAZIDIS, K., KALOGIROU, S. & MARTINIS, A. (2016). Mapping and assessment of ecosystem services on the Ionian Islands. *Proceedings of the 9th Hellenic Congress of Hellas GIs (Book of Abstracts)*. National Technical University of Athens (Greece), 8-9 December 2016, p. 15.
- LORILLA R.S.**, POIRAZIDIS, K., KALOGIROU, S. & MARTINIS, A. (2016). Synergies and trade-offs analysis of ecosystem services: the case of Ionian Islands. *Proceedings of the 8th Congress of the Hellenic Ecological Society (Book of Abstracts)*. Aristotle University of Thessaloniki (Greece), 20-23 October 2016, p. 62. Available at: [www.helecos.gr/el/activities/helecos-congresses/2016-8th-helecos-conference/Proceedings\\_Thessaloniki\\_2016.pdf](http://www.helecos.gr/el/activities/helecos-congresses/2016-8th-helecos-conference/Proceedings_Thessaloniki_2016.pdf)
- KEFALAS G., **LORILLA R.S.**, POIRAZIDIS K., KALIVAS D. & MARTINIS A. (2014). Assessing and Mapping the Risk of Desertification and its Dynamic change in the Ionian Islands. *Proceedings of the 10th International Congress of the Hellenic Geographical Society (Book of Abstracts)*. Aristotle University of Thessaloniki (Greece), 22 – 24 October 2014.
- LORILLA R.S.**, KEFALAS, G., POIRAZIDIS, K., MARTINIS, A. & KALIVAS, D. (2014). Interpreting the dynamic changes of desertification risk in Zakynthos with the use of landscape metrics. *Proceedings of the 7th Congress of the Hellenic Ecological Society (Book of Abstracts)*. Aegean University (Mytilene, Greece), 9-12 October 2014, p. 115. Available at: [https://www.helecos.gr/el/activities/helecos-congresses/2014-7th-helecos-conference/Proceedings\\_Mytilini\\_2014.pdf](https://www.helecos.gr/el/activities/helecos-congresses/2014-7th-helecos-conference/Proceedings_Mytilini_2014.pdf)
- CHAIDEFTOU E., KEFALAS G., **LORILLA R.S.**, MARTINIS A. & POIRAZIDIS K. (2013). How the biodiversity is affected by varied fire intensity? A case study in a Mediterranean island (Zante, Greece) using plant and bird taxa. *Proceedings of the Open Landscapes Conference - Ecology, Management and Nature Conservation (Book of Abstracts)*. University of Hildesheim (Germany), 29 September – 3 October 2013, p. 101.

## PROFESSIONAL SERVICE, ACTIVITIES AND MEMBERSHIPS

- Jul 2020 – current Member of the Young Ecosystem Services Specialists (YESS)
- Jul 2020 – current Guest Editor of the Special Issue *Advances in Machine Learning and Statistical Analysis of Geographical Data*. Publisher: MDPI. URL: [https://www.mdpi.com/journal/ijgi/special\\_issues/MachineLearning\\_Statistical](https://www.mdpi.com/journal/ijgi/special_issues/MachineLearning_Statistical)
- May 2020 – current Guest Editor of the Special Issue *Tools for ecosystem services quantification and valuation*, Journal: *Environmental Science*. Publisher: American Institute of Mathematical Sciences. URL: <https://www.aimspress.com/newsinfo/1428.html>
- May 2020 – current Peer-reviewer for the international journals *Geocarto International* (Taylor & Francis Group), and *Arabian Journal of Geosciences* (Springer).
- Jul 2019 – current Peer-reviewer for the open-access International Journals *Ecology and Society* (Resilience Alliance), *Ecosystems and People* (Taylor & Francis Group), *Sustainability* (MDPI), *Land* (MDPI), and *Remote Sensing* (MDPI).
- May 2018 Participation in the *Establishment of the National Environmental Strategy for Forests* held by the Hellenic Ministry of Environment and Energy.

## LANGUAGES

Greek: Native

English: Fluent (oral and written)