

**Dr. THI PHUOC LAI NGUYEN**

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Asian Institute of Technology,  
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Dr. Thi Phuoc Lai Nguyen is a social scientist. Her research crosses beyond conventional social science discipline and integrates interdisciplinary aspects to address the complexity and uncertainty that challenge development planning. It centers upon understanding the human dimension in planning and managing the environment regarding social attitudes, epistemological processes, and behaviors of understanding, mitigating, and adapting to social and environmental changes. Specific areas of interest are coupled human-environment complex systems, social and environmental changes, social actors and environmental inequalities, governance of socio-ecological systems, education, and innovation for sustainable development.

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**EDUCATION AND QUALIFICATION**

- 2014 PhD in Social Sciences, Specialization in Governance and Complex Systems, University of Sassari, Italy.
- 2009 M.A. in Development, Innovation and Change (MIDIC), University of Bologna, Italy.
- 2005 B.A in Economics, University of Hue, Vietnam.

**ACADEMIC POSITION**

- 2017- Present: Assistant Professor  
Department of Development and Sustainability, Asian Institute of Technology (AIT), Thailand.
- 2017 – Present: Associate Faculty  
Ostrom Center for the Advanced Study in Natural Resource Governance.  
Asian Institute of Technology (AIT), Thailand.
- 2015 – 2017: Lecture  
School of Geography, University of Nottingham, MY campus
- 2015 – 2017 Visiting Researcher, Faculty of Environment and Occupational Safety, Ton Duc Thang University, Vietnam
- 2013 – 2015 Postdoc Researcher  
Desertification Research Centre, University of Sassari, Italy.
- Jan 2021 – today, Program Chair, Academic Program in Development Planning Management and Innovation (DPMI)
- Jan 2020 – today Program Chair, Professional Master in Development and Sustainable Development (ESD)
- Jan 2021 – today Committee Member, Urban Innovation and Sustainability (UIS)
- Jan 2021 – today Committee Member, Society, and Environmental Governance (SEG)
- July 2017- Dec 2020 Committee Member, Academic Program in Regional and Rural Development Planning (RRDP)
- Oct 2020 – Today Associate Editor, Gender, Technology and Development Journal, Taylor& Francis Online

**CURRENT TEACHING/COURSE DEVELOPMENT**

1. Public Policy
2. Policy, Institutions, and Governance
3. Science, Society, and Environmental Governance
4. International Environmental Governance

5. Socio-ecological Systems Approach and Diagnosis
6. Innovation and Sustainable Development
7. Development Planning Workshops
8. Development Project Planning and Management
9. Agricultural Development and Social Innovation

## STUDENT RESEARCH SUPERVISION

Summary of student research supervision at AIT (July 2017– to date)

Students	Completed (as of May 2023)		In-Progress	
	Chair	Co-Chair	Chair	Co-chair
Doctoral	2	-	9	2
Master's	21	-	8	-

## RESEARCH AND DEVELOPMENT PROJECTS

- Thailand PI, “APAC Urban-Rural Sustainability Program” Donor: Hong Kong Corporate Bank and Hong Kong University (ongoing)
- Co-PI, “Are city climate plans adequate for mitigating weather extremes? An investigation of Southeast Asia” Donor: DFAT/Curtin University (on-going)
- Co-PI, “Application of Big Earth Data in Support of the Sustainable Development Goals in Thailand”. Donor: NRCT Thailand (on-going).
- PI - Assessment of Environmental Inequalities of Air Pollution of Vulnerable Socioeconomic Groups in the World of Work in Bangkok City, Thailand. Donor: IDRC/SEI (2021-2022)
- Co-PI, “Strengthening groundwater governance in urbanizing areas of lower Mekong region”. Donor: SUMERNET 4 ALL (on-going). Donor: SIDA/SUMERNET 4 ALL (ongoing)
- PI, “Assessment of Environmental Inequalities of Air Pollution of Vulnerable Socioeconomic Groups in the World of Work in Bangkok City, Thailand.” Donor: IDRC/SEI (2021-2023)
- Co-PI, “Assessment of Groundwater Sustainability in the Special Economic Zone of Thailand for Operational Groundwater Management”. Donor: SIDA/SUMERNET 4 ALL (2019-2022)
- PI, “STEM education for sustainable development in Vietnam”. Donor: ADB/VNMOET (2019-2022)
- PI, “Farming systems and role of institutions in the transition towards sustainable agricultural sectors in Thailand” (2018-2020). Donor: CIRAD, Centre de Cooperation Internationale en recherche Agronomique pour le Development, France.
- PI, “Public concerns about water use resources in Vietnam: ‘matter of climate change’ or matter of urban development” (2017-2018). Donor: Asian Institute of Technology.
- PI, Governance arrangement for STEM education implementation in Vietnam (2017-2018). Donor: ADB/VNMOET
- Member - CADWAGO “Climate change adaptation and water governance: reconciling food security, renewable energy and the provision of multiple ecosystem services”. (2013-2015) Donor: Europe and Global Challenges programme" by Compagnia di San Paolo, VolkswagenStiftung and Riksbankens Jubileumsfond.
- Member - MACSUR “Modelling European Agriculture with Climate Change for Food Security”, <http://www.macsur.eu/index.php> (2013-2015). Donor: Italian Ministry of Agriculture and Forestry.
- Member - AGROSCENRI “Scenarios of adaptation to climate change of Italian agricultural systems, <http://www.agrosceari.it/> (2009-2014). Donor: Italian Ministry of Agriculture and Forestry
- Member - IDRISK “Pollution risk and prevention of groundwater resources degradation (2012-2014). Donor: Region of Sardinia, Italy. Donor: Region of Sardinia, Italy.
- Manager- FAO Project GCP/VIE/029/ITA “Integrated management of lagoon activities, Thua Thien Hue province, Vietnam” (2005-2009)

## PUBLICATION

### *Articles in Refereed International Journals*

1. **Nguyen T.P.L.**, Muenratch P, Shrestha S, Van TP, Kc S, Das Gupta A (2024). Assessing Decentralized Groundwater Governance Performance in the Lower Mekong Region. The case of Khon Kaen province, Thailand. *Groundwater for Sustainable Development*. DOI: [10.1016/j.gsd.2023.101077](https://doi.org/10.1016/j.gsd.2023.101077) (IF 5.9, Q1).
2. Punpukdee, P., Winijkul, E., Kyaw, P. P., Viridis, S. G., Xue, W., & **Nguyen, T. .L**(2024). Estimation of hourly one square kilometer fine particulate matter concentration over Thailand using aerosol optical depth. *Frontiers in Environmental Science*, 11, 1303152. <https://doi.org/10.3389/fenvs.2023.1303152>
3. **Nguyen T.P.L.**, Viridis SGP, Vu TB. (2023). “Matter of climate change” or “Matter of rapid urbanization”? Young people's concerns for the present and future urban water resources in Ho Chi Minh City metropolitan area, Vietnam. *Applied Geography* 153:102906. DOI: 10.1016/j.apgeog.2023.102906 (IF 4.732, Q1).
4. Kyaw, Y.; **Nguyen, T.P.L.**; Winijkul, E.; Xue, W.; Viridis, S.G.P.(2023). The Effect of Climate Variability on Cultivated Crops’ Yield and Farm Income in Chiang Mai Province, Thailand. *Climate* 2023, 11, 204. <https://doi.org/10.3390/cli11100204>. (IF 3.7 Q1)
5. **Nguyen T.P.L.** (2023). Integrating circular economy into STEM education: A promising pathway toward circular citizenship development. *Frontiers in Education* 8. DOI: 10.3389/feduc.2023.1063755. (Citescor 2.0, Q2).
6. **Nguyen, T.P.L.**, Winijkul, E., & Viridis, S.G.P. (2023). Air pollution in Bangkok: addressing unequal exposure and enhancing public understanding of the risks. *SEI brief*. Stockholm Environment Institute. <https://doi.org/10.51414/sei2023.12>
7. Muenratch P, **Nguyen T.P.L.** (2023). Determinants of water use saving behaviour toward sustainable groundwater management. *Groundwater for Sustainable Development* 20:100898. DOI: 10.1016/j.gsd.2022.100898. (IF 5.9, Q1).
8. Wongboontham, T., Nitivattananon, V., Pal, I., Nguyen, T.P.L. (2023). Enhancing urban flood resilience: The role and influence of socio-economics in the Chao Phraya River Basin, Thailand. *International Journal of Sustainable Development and Planning*, Vol. 18, No. 10, pp. 3061-3076. <https://doi.org/10.18280/ijstdp.181009> (IF 4.6, Q1)
9. Akther H, Ahmad M.M& **Nguyen T.P.L** (2023) Livelihood vulnerability to urban flood: the case of urban poor households in Dhaka, Bangladesh, *Climate and Development*, DOI: 10.1080/17565529.2023.2257625 (IF 4.5, Q1)
10. Bhandari, R.; Xue, W.; Viridis, S.G.P.; Winijkul, E.; **Nguyen, T.P.L.**; Joshi, S. Monitoring and Assessing Urbanization Progress in Thailand between 2000 and 2020 Using SDG Indicator 11.3.1. *Sustainability* 2023, 15, 9794. <https://doi.org/10.3390/su15129794> (IF 3.9, Q2)
11. Nguyen T. M., Ahmad, M.M., Pal, I., **Nguyen, T.P.L** (2023) Indigenous Farmers' Perception of Climate Vulnerability, Barriers and Factors Influencing Farmers Adaptation Intention: Evidence from Mountainous Area of Vietnam. *Front. Sustain. Food Syst. Sec. Climate-Smart Food Systems*. 7 - 2023 doi: 10.3389/fsufs.2023.1039562 (IF 5.005, Q1).
12. Anushree Pal, Takuji W. Tsusaka, **Nguyen, T.P.L** & Mokbul Morshed Ahmad (2023) Assessment of vulnerability and resilience of school education to climate-induced hazards: a review, *Development Studies Research*, 10:1, DOI: 10.1080/21665095.2023.2202826 (IF 2.0, Q2).
13. Du, J.; Shrestha, R.P.; Nitivattananon, V.; **Nguyen, T.P.L.**; Razzaq, A. Unveiling the Value of Nature: A Comprehensive Analysis of the Ecosystem Services and Ecological Compensation in Wuhan City’s Urban Lake Wetlands. *Water* 2023, 15, 2257. <https://doi.org/10.3390/w15122257>. (IF:3.53, Q1)
14. Bhandari, R.; Xue, W.; Viridis, S.G.P.; Winijkul, E.; **Nguyen, T.P.L.**; Joshi, S. Monitoring and Assessing Urbanization Progress in Thailand between 2000 and 2020 Using SDG Indicator 11.3.1. *Sustainability* 2023, 15, 9794. <https://doi.org/10.3390/su15129794> (IF 3.9, Q1).

15. Panyavaranant, P.; **Nguyen, T.P.L.**; San Santoso, D.; Nitivattananon, V.; Tsusaka, T.W. Analyzing Sociodemographic Factors Influencing Citizen Participation: The Case of Infrastructure Planning in Khon Kaen, Thailand. *Soc. Sci.* 2023, 12, 225. <https://doi.org/10.3390/socsci12040225>. (IF 1.7, Q2).
16. Dhungana S, Shrestha S, Van TP, Kc S, Das Gupta A, **Nguyen T.P.L.** (2023). Evaluation of gridded precipitation products in the selected sub-basins of Lower Mekong River Basin. *Theoretical and Applied Climatology* 151:293-310. DOI: 10.1007/s00704-022-04268-1. (IF 3.519, Q1).
17. **Nguyen, T.P.L.**, Viridis SGP, Winijkul E. (2022). Inequality of low air quality-related health impacts among socioeconomic groups in the world of work. *International Journal of Environmental Research and Public Health*. DOI: 10.3390/ijerph191912980 (IF 4.614, Q1).
18. Muenratch P, **Nguyen, T.P.L.** (2022). Local governance of groundwater resources through the lens of stakeholders in the context of state-led management in the Lower Mekong Region. *Water*. 14(19), 3043; <https://doi.org/10.3390/w14193043> (IF:3.530, Q1).
19. Muenratch P, **Nguyen, T.P.L.**, Shrestha S, Chatterjee JS, Viridis SGP. (2022). Governance and policy responses to anthropogenic and climate pressures on groundwater resources in the Greater Mekong Subregion urbanizing cities. *Groundwater for Sustainable Development* 18: 100791. <https://doi.org/10.1016/j.gsd.2022.100791> (IF 5.9, Q1).
20. Khaing T, **Nguyen T.P.L.** (2022). An Assessment of Water Supply Governance in Armed Conflict Areas of Rakhine State, Myanmar. *Water*. 14(18), 2930; <https://doi.org/10.3390/w14182930> (IF:3.530, Q1).
21. Pinsri P, Shrestha S, Kc S, Mohanasundaram S, Viridis SGP, **Nguyen T.P.L.**, Chaowiwat W. (2022). Assessing the future climate change, land use change, and abstraction impacts on groundwater resources in the Tak Special Economic Zone, Thailand. *Environmental Research* 211: 113026. (IF: 8.434, Q1).
22. **Nguyen, T.P.L.**, Pattanasri S. (2022). The Influence of Nationality and Socio-demographic Factors on Urban Slum Dwellers' Threat Appraisal, Awareness, and Protective Practices against COVID-19 in Thailand. *The American Journal of Tropical Medicine and Hygiene* 107: 169-174. (IF 2.345, Q2).
23. Pattanasri S, **Nguyen T.P.L.**, Vu TB, Winijkul E, Ahmad MM. (2022). Access to Digital Information and Protective Awareness and Practices towards COVID-19 in Urban Marginalized Communities. *Healthcare*. (IF: 3.160, Q2)
24. **Nguyen, T.P.L.**, Pattanasri S. (2022). WASH, vulnerability, severity, and the response of urban slum dwellers to the COVID-19 pandemic. *Journal of Water, Sanitation and Hygiene for Development* 12: 600-611. [10.2166/washdev.2022.076](https://doi.org/10.2166/washdev.2022.076). (IF 1.786, Q2).
25. Somsopon W, Kim SM, Nitivattananon V, Kusakabe K, **Nguyen T.P.L.**, (2022). Issues and Needs of Elderly in Community Facilities and Services: A Case Study of Urban Housing Projects in Bangkok, Thailand. *Sustainability* 14. (IF 3.889, Q1)
26. Saurav, K.C., Shrestha, S, **Nguyen, T.P.L.**, Das Gupta, A., Mohanasundaram, S. (2022). Groundwater Governance: A Review of the Assessment Methodologies". *Environmental Reviews*. *Environmental Reviews* 30: 202-216. (10.1139/er-2021-0066) (IF 6.006, Q1).
27. Liao X, **Nguyen, T.P.L.**, Sasaki N, (2022). Use of the knowledge, attitude, and practice (KAP) model to examine sustainable agriculture in Thailand. *Regional Sustainability* 3: 41-52. (Cite score: 1.4).
28. Pertiwi N, Tsusaka TW, **Nguyen, T.P.L.**, Abe I, Sasaki N, 2022. Nature-based Carbon Pricing of Full Ecosystem Services for Peatland Conservation—A Case Study in Riau Province, Indonesia. *Nature-Based Solutions* 2: 100023.
29. **Nguyen, T.P.L.**, Sean, C. 2021. Do climate uncertainties trigger farmers' out-migration in the Lower Mekong Region? *Current Research in Environmental Sustainability* 3: 100087. (Cite score: 1.4).
30. **Nguyen, T.P.L.**, Nguyen, T.H., Tran, T.K. (2020). STEM education in secondary schools: Teachers' perspective towards sustainable development. *Sustainability* 12(21), pp. 1–16, 8865 (IF 3.889, Q1)
31. Cammaert, R. **Nguyen, T.P.L.**, Tanaka, S. (2020). Kindergarten to Grade 12 Reforms in Viet Nam. *Education in the Asia-Pacific Region*, 2020, 55, pp. 89–97

32. **Nguyen, T.P.L.** Inkong, N. Faysse, N. (2020). Role of local institutions in the transition towards sustainable agriculture: The case study of Thailand. *WIT Transactions on Ecology and the Environment*, 2020, 245 pp. 135–143; (**SJR:0.15**)
33. **Nguyen, T.P.L.**, Seddaiu, G., Roggero, P.P. (2019). "Declarative or procedural knowledge? Knowledge for enhancing farmers' mitigation and adaptation behaviour to climate change." *Journal of Rural Studies* 67: 46- 56. 005 (**IF 5.157, Q1**)
34. **Nguyen, T.P.L.**; Peña-García, A. (2019) Users' Awareness, Attitudes, and Perceptions of Health Risks Associated with Excessive Lighting in Night Markets: Policy Implications for Sustainable Development. *Sustainability* 2019, 11, 6091. (**IF 3.889, Q1**).
35. Ruiz Salvago, M., Phiboon, K., Faysse, N., & **Nguyen, T. P. L.** (2019). Young people's willingness to farm under present and improved conditions in Thailand. *Outlook on Agriculture*. (**IF 3.309, Q1**)
36. Peña-García, A., **Nguyen, T.P.L.** (2018) A global perspective for sustainable highway network tunnel lighting regulations towards road safety. (2018). *International Journal of Environmental Research and Public Health* 2018, 15(12), 2658; <https://doi.org/10.3390/ijerph15122658> (**IF 4.614, Q1**)
37. **Nguyen, T.P.L.**, Mula, L., Cortignani, R., Seddaiu, G., Dono, G., Viridis, S.G.P., Pasqui, M., & Roggero, P.P. (2016). Perceptions of Present and Future Climate Change Impacts on Water Availability for Agricultural Systems in the Western Mediterranean Region. *Water*, 8, 523. (**IF 3.103; Q1**)
38. **Nguyen, T.P.L.**, Seddaiu, G., Viridis, S.G.P., Tidore, C., Pasqui, M., & Roggero, P.P. (2016). Perceiving to learn or learning to perceive? Understanding farmers' perceptions and adaptation to climate uncertainties. *Agricultural Systems*, 143, 205-216. (**IF 6.765; Q1**)
39. **Nguyen, T.P.L.**, Seddaiu, G., Roggero, P.P. (2014). Hybrid knowledge for understanding complex agro-environmental issue: nitrate pollution in Italy. *International Journal of agricultural sustainability*. (**IF 3.734; Q1**)
40. Allan, C., **Nguyen, T.P.L.**, Seddaiu, G., Wilson, B., Roggero, P. P. (2013). Integrating local knowledge with experimental research: case studies on managing cropping systems in Italy and Australia. *Italian Journal of Agronomy*, 8 (2). (**IF: 2.300; Q2**)
41. **Nguyen, T.P.L.**, Sean, C (2018). What shapes young people's concerns about water-use resources? The case of Ho Chi Minh City. *WIT Transactions on Ecology and the Environment*, Vol 215, WIT Press. [www.witpress.com](http://www.witpress.com), ISSN 1743-3541.

#### *Book Chapters*

- **Nguyen. T.P.L.** Mainstreaming STEM education in secondary schools. The case of Viet Nam. In *STEM education case studies*. Asian Development Bank.
- **Nguyen, T.P.L.**; Peña-García, A. Users' Awareness, Attitudes, and Perceptions of Health Risks Associated with Excessive Lighting in Night Markets: Policy Implications for Sustainable Development. In *Sustainable Lighting & Lighting for Sustainability*. 2020. ISBN 9783039 283446

#### *Articles in Refereed National Journals*

- Ruiu, M.L, Maurizi, S., **Nguyen, T.P.L.**, Roggero, P.P., Seddaiu, G., (2014). Alla ricerca di risposte “win- win” per la governance dell’acqua: “action research” nel distretto di Arborea. *Agriregionieuropa*. <http://www.agrireregionieuropa.univpm.it/comment/377#comment-377>.
- **Nguyen, T.P.L.**, Seddaiu, G., Roggero, P.P., (2013). Integrating local and scientific knowledge for understanding agri-environmental change: a case study on nitrate pollution at Arborea district. Italy. *Italian Journal of Agro-meteorology*. Patron Editore Bologna. (Printed Journal)

#### *Papers in Refereed Conference Proceeding*

- Khaing T, **Nguyen T.P.L.\***. (2023) Stakeholder Saliency of Public Water Supply Governance in Conflict-Affected Areas: The case of Rakhine State, Myanmar. In *Network for Education and Research on Peace and Sustainability (Hiroshima University) Conference 2023 in Thailand*. 28 Feb- 03 Mar 2023.

- Tiwari S, **Nguyen T.P.L\***. (2023) Towards Peace and Sustainable Economic Prosperity through Eco-tourism: A Case of Multi-Cultural and Multi-Ethnic Community along Annapurna Sanctuary Trail (AST) in Annapurna Region, Nepal. In Network for Education and Research on Peace and Sustainability (Hiroshima University) Conference 2023 in Thailand. 28 Feb- 03 Mar 2023.
- Jomaa S, Reinecke R, Ben-Salem N, García Silva R C, Varouchakis E, Vasco Silva J, Ceseracciu. C, **Nguyen, T.P.L**, Cetinkaya I.D, Saysel A.K, Copty N.K, Karatzas. G., Trichakis. Y, Pasqui. M, Heggy. E, Maurizi. S, Roggero. PP, Rode M and Gómez-Hernández J.J. 2021. Multidisciplinary joint-force efforts towards science-based management in the Mediterranean region: A particular focus on transboundary aquifers. The United Nations Educational, Scientific and Cultural Organization, 7, place de Fontenoy, 75352 Paris 07 SP, France © UNESCO 2021 Reference number SC/HYD/GW/2021/1.
- Muenratch P, **Nguyen, T.P.L\***, Shrestha S, Chatterjee JS, Viridis SGP. 2021 Groundwater and socio-economic development: Implications for cross-sector related groundwater policies in Thailand. The United Nations Educational, Scientific and Cultural Organization, 7, place de Fontenoy, 75352 Paris 07 SP, France © UNESCO 2021 Reference number SC/HYD/GW/2021/1
- Saurav, K.C., Shrestha, S, **Nguyen, T.P.L.**, Das Gupta, A., Mohanasundaram, S. (2021). Development of framework to assess the groundwater governance in transboundary aquifers of rapidly urbanizing cities. The United Nations Educational, Scientific and Cultural Organization, 7, place de Fontenoy, 75352 Paris 07 SP, France © UNESCO 2021 Reference number SC/HYD/GW/2021/1
- Seifeddine Jomaa, Nahed Ben-Salem, Rafael Chávez, Robert Reinecke, Emmanouil Varouchakis<sup>3</sup>, João Vasco Silva, Chiara Ceseracciu, **Thi Phuoc Lai Nguyen**, Irem Daloglu Cetinkaya, Ali K. Saysel, Nadim K. Copty, Amir Rouhani<sup>1</sup>, Maroua Oueslati, Eric Mino, George P. Karatzas, Pier Paolo Roggero, Michael Rode and J. Jaime Gómez-Hernández. Inclusive and resilient groundwater assessment towards sustainable development in the Mediterranean region. XIth Scientific Assembly of the International Association of Hydrological Sciences (IAHS 2022) in Montpellier (France) from 29 May to 3 June 2022.
- **Nguyen. T.P.L.** 2021. Nurturing global citizenship towards sustainable development through integration of Circular Economy and STEM education in higher education: *A perspective*. In Tra Vinh University Conference "Developing quality resources in the era of global integration: The role of universities", 18 June 2021.
- Muenratch, P., **Nguyen, T.P.L\***, Shrestha, S., Chatterjee. J, Viridis Inclusive and resilient groundwater assessment towards sustainable development in the Mediterranean region, S.G.P. Roles of multi-stakeholders in sustainable groundwater management towards SDG6. *Case of Khon Kaen, Thailand*, THA 2022 International Conference on Moving Towards Sustainable Water and Climate Change Management After COVID-19 during 26-28 January 2022.
- **Nguyen, T.P.L**, Sangam Shrestha, Ashim Das Gupta, Preeyaporn Muenratch, K.C Sauraw. Public participation in groundwater management in the Lower Mekong Region. Assessment and Implications for Decentralizing Governance, THA 2022 International Conference on Moving Towards Sustainable Water and Climate Change Management After COVID-19 during 26-28 January 2022.
- **Nguyen,T.P.L.**, Sangam Shrestha, Ashim Das Gupta, Preeyaporn Muenratch, K.C Sauraw. Sustainable groundwater governance model for achieving SDG 6 in urbanizing cities in Lower Mekong Region, THA 2022 International Conference on Moving Towards Sustainable Water and Climate Change Management After COVID-19 during 26-28 January 2022.
- Khang, T., **Nguyen, T.P.L**, Shrestha, S., Pal, I. (2021) *Understanding multi -actors' dimensions for urban water security in armed conflicting areas of Rakhine State, Myanmar.* in THA 2022 International Conference on Moving Towards Sustainable Water and Climate Change Management After COVID-19 during 26-28 January 2022.
- **Nguyen, T.P.L** Sakiko Tanaka, Thi Yen Nhi, Thi Huy Nguyen, Tran Thanh Khiat. (2020). Teachers' perceptions of integrated STEM and attitudes towards developmental challenges in Vietnam. The 6<sup>th</sup> Conference on Education and International Development. 23-26 March 2020.

- Peña-García, A., **Nguyen, T.P.L.**, (2018). Environmentally friendly tunnels and their impact on users' behaviors: a binomial to optimize for a sustainable development of modern highway networks. 3rd Asia Conference on Environment and Sustainable Development. Annual meeting of IJESD. November 2-4, 2018, Singapore.
- **Nguyen, T.P.L.**, Sean. C., (2018). What shapes young people's concerns about water-use resources? The case of Ho Chi Minh City. 4th International Conference on Environmental and Economic Impact on Sustainable Development. WIT Conference. June 20-22, 2018, Naples, Italy.
- **Nguyen, T.P.L.**, et al (2015). Combining farmers' perceptions and cropping system modelling to address climate change impacts: a case study on irrigated forage systems under Mediterranean conditions in the UNCCD 3rd scientific conference, 9-12 Marzo 2015 in Cancun, Mexico. <http://3sc.unccd.int/documents-outputs/preparatory-documents>.
- **Nguyen, T. P.L.**, Seddaiu. G., Tidore, C., Roggero, P.P., (2014). Adaptation to climate change of Italian agricultural systems: the analysis of explorative scenarios. FACCE MACSUR Mid-term Scientific Conference "Achievements, Activities, Advancement". Sassari, 1-4 April 2014. <http://ocs.macsur.eu/index.php/Hub/Mid-term/paper/view/263>
- **Nguyen, T.P.L.**, Seddaiu, G., Tidore, C., Roggero. P.P., (2013). Analysis of farmers' perceptions and adaptation strategies to climate uncertainties. In XLII Convegno della Società Italiana di Agronomia. "Intensificazione sostenibile della produzione agricola e sicurezza alimentare". Reggio Calabria, 18-20 Sept 2013. <http://www.sia42.unirc.it/index.php/download/category/15-atti-xlii-convegno-nazionale-sia>

*Presentations and posters on International/ national scientific conferences*

- Thandar C.M, **Nguyen T.P.L.** (2023) The roles of ancient lakes for water security and the complexity of management in Conflict-Affected Areas: The Case of Ancient Lakes in Mrauk U, Rakhine State of Myanmar. In Network for Education and Research on Peace and Sustainability (Hiroshima University) Conference 2023 in Thailand. 28 Feb- 03 Mar 2023.
- Khaing T, **Nguyen T.P.L.** (2023) Stakeholder Salience of Public Water Supply Governance in Conflict-Affected Areas: The case of Rakhine State, Myanmar. In Network for Education and Research on Peace and Sustainability (Hiroshima University) Conference 2023 in Thailand. 28 Feb- 03 Mar 2023.
- Tiwari S, **Nguyen T.P.L.** (2023) Towards Peace and Sustainable Economic Prosperity through Eco-tourism: A Case of Multi-Cultural and Multi-Ethnic Community along Annapurna Sanctuary Trail (AST) in Annapurna Region, Nepal. In Network for Education and Research on Peace and Sustainability (Hiroshima University) Conference 2023 in Thailand. 28 Feb- 03 Mar 2023.
- **Nguyen. T.P.L** (2022). The influence of socio-economic factors on perceived exposure to air pollution of socio-economic vulnerable groups in *Scientific Workshop and National Policy Roundtable* "Environmental Inequality of Air pollution of socio-economic vulnerable Groups in the world of work" on 7 September 2022. Bangkok, Thailand.
- Seifeddine Jomaa, Robert Reinecke, Nahed Ben-Salem, Rafael Chávez García Silva, Emmanouil Varouchakis, João Vasco Silva, Chiara Ceseracciu, **Thi Phuoc Lai Nguyen**, Irem Daloglu Cetinkaya, Ali K. Saysel, Nadim K. Copty, George Karatzas, Yiannis Trichakis, Massimiliano Pasqui, Essam Heggy, Sante Maurizi, Pier Paolo Roggero, Michael Rode and J. Jaime Gómez-Hernández. *Multidisciplinary joint-force efforts towards science-based management in the Mediterranean region: A particular focus on transboundary aquifers*. In USECO-ISARM2021 | 2nd International Conference on Transboundary Aquifers: Challenges and the way forward, held in Paris, 6-8 Dec 2021
- Muenratch, P., **Nguyen, T.P.L\***, Shrestha, S., Chatterjee. J, Viridis, S.G.P. *Groundwater and socio-economic development: Implications for cross-sector related groundwater policies in Thailand*. In USECO-ISARM2021 | 2nd International Conference on Transboundary Aquifers: Challenges and the way forward, held in Paris, 6-8 Dec 2021
- Saurav, K.C., Shrestha, S, **Nguyen, T.P.L.**, Das Gupta, A., Mohanasundaram, S. (2021). Development of framework to assess the groundwater governance in transboundary aquifers



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- **Nguyen, T.P.L.** (2021) Nurturing global citizenship towards sustainable development through integration of Circular Economy and STEM education in higher education: A perspective. In Tra Vinh University Conference "Developing quality resources in the era of global integration: The role of universities", 18 June 2021.
- **Nguyen, T.P.L.**, Sakiko Tanaka, Thi Yen Nhi, Thi Huy Nguyen, Tran Thanh Khiet. (2020). Teachers' perceptions of integrated STEM and attitudes towards developmental challenges in Vietnam. The 6<sup>th</sup> Conference on Education and International Development. 23-26 March 2020.
- Peña-García, A., **Nguyen, T.P.L.**, (2018). Environmentally friendly tunnels and their impact on users' behaviors: a binomial to optimize for a sustainable development of modern highway networks. 3rd Asia Conference on Environment and Sustainable Development. Annual meeting of IJESD. November 2-4, 2018, Singapore.
- **Nguyen, T.P.L.**, Sean. C., (2018). What shapes young people's concerns about water-use resources? The case of Ho Chi Minh City. 4th International Conference on Environmental and Economic Impact on Sustainable Development. WIT Conference. June 20-22, 2018, Naples, Italy.
- **Nguyen, T.P.L.**, et al (2015). Combining farmers' perceptions and cropping system modelling to address climate change impacts: a case study on irrigated forage systems under Mediterranean conditions in the UNCCD 3rd scientific conference, 9-12 Marzo 2015 in Cancun, Mexico.
- **Nguyen, T. P.L.**, Seddaiu, G., Tidore, C., Roggero, P.P., (2014). Adaptation to climate change of Italian agricultural systems: the analysis of explorative scenarios. FACCE MACSUR Mid-term Scientific Conference "Achievements, Activities, Advancement". Sassari, 1-4 April 2014.
- **Nguyen, T.P.L.**, Pittalis, D., Roggero, P.P., Seddaiu, G., Viridis, S.G.P., Zanolla, C., Climate change adaptation and water governance: reconciling food security, renewable energy and the provision of multiple ecosystem services"- CADWAGO Project. Italian and Maghreb research cases. In the Second Scientific Conference of UNCCD "Economic assessment of desertification, sustainable land management and resilience of arid, semi-arid and dry sub-humid areas". Bonn, 8-12 April 2013.
- **Nguyen. T.P.L.**, Seddaiu. G., Tidore. C., Roggero. P.P (2013). Analysis of farmers' perceptions and adaptation strategies to climate uncertainties. In XLII Convegno della Società Italiana di Agronomia. "Intensificazione sostenibile della produzione agricola e sicurezza alimentare". Reggio Calabria, 18-20 Sept 2013.
- Allan. C., **Nguyen. T.P.L.**, Seddaiu. G., Roggero. P.P (2013). Valorizzazione della conoscenza locale nella sperimentazione agronomica: casi di studio sulla gestione di sistemi colturali in Italia e Australia. In XLI Convegno della Società Italiana di Agronomia. Bari, 19-21 Sept 2012.
- **Nguyen. T.P.L.**, Seddaiu. G, Roggero. P.P (2012): Integrating local and scientific knowledge in understanding agri-environmental change: a case study on nitrate pollution at Arborea district, (Italy). In the Conference "Agrosenari": agricoltori, politiche agricole e sistema della ricerca di fronte ai cambiamenti climatici. Ancona (Italy). 1-2 March 2012
- **Nguyen. T.P.L.**, Seddaiu. G, Demurtas. C, Roggero. P.P (2011): Critical issues and adaptive options for the Sardinian dairy sheep grazing system in the context of climate change. In the International conference on Dry land ecosystem functioning and resilience: integrating biophysical assessment with socio-economic issues, Alghero July 2011.

#### *Paper in workshops*

- **Nguyen. T.P.L.** (2022). "Decentralizing Rural Governance for Sustainability: Thailand's experiences" in *Asia Pacific Region Roundtable on Rural -Urban Sustainability* on 25 June 2022. Virtual workshop
- **Nguyen. T.P.L.** (2021) "Integrating socio- demographic and environmental data into geospatial information towards SDGs assessment" for the regional workshop of the project in



“Integrated Assessment of SDGs for BMR using Earth Observation Technology for Bangkok Metropolitan Region (BMR)”, 23 November 2021.

- **Nguyen T.P.L.,** Sangam. S. (2021). *Integration of gender perspective into research/project: Experience of GISA project* in SEI/SUMERNET 4 All Gender Reflection Workshop, Nov 2021.
- Pattanasri S, **Nguyen T.P.L.** (2020). Using Protection Motivation Theory to understand WASH attitudes and behaviors of urban marginalized groups towards COVID-19 prevention. The case of Slum Communities in Bangkok, Thailand” in the 2nd AIT-BNU Joint Virtual Workshop on Water, Health, and Ecosystems: Current Challenges and Opportunities. 17 December 2020.
- **Nguyen T.P.L.,** Vu. T.B. 2020. Climate change and Urbanization: Public concerns of urban water resources. The case of Ho Chi Minh metropolis, Vietnam. in the 2nd AIT-BNU Joint Virtual Workshop on Water, Health, and Ecosystems: Current Challenges and Opportunities. 17 December 2020.
- Sarti. M. and **Nguyen. T.P. L.** (2007): Two years of IMOLA Project activities: overview and review of critical issues in Tam Giang. Abstracts of Imola Third Technical Workshop “The Imola Project, Two Years After: Tam Giang-Cau Hai Lagoon; Past, Present And Future”; Huế City (Vietnam), November 27, 2007.
- Sarti. M. and **Nguyen T.P. L.** (2007): Shaping the Integrated Lagoon Management Plan: sizing and time- constraining the Tam Giang lagoon problems. Abstracts of Imola Third Technical Workshop “The Imola Project, Two Years After: Tam Giang-Cau Hai Lagoon; Past, Present And Future”; Huế City (Vietnam), November 27, 2007.
- Tietze U. **Nguyen. T.P. L.** (2006): A proposal for credit and saving for the poorest in Thua Thien Hue lagoon. Abstracts of Imola Third Technical Workshop “The Imola Project, One Years After: Activities, achievements and prospects”; Huế City (Vietnam), November 25, 2006.

#### *Invited Lectures and Keynote Addresses*

- Keynote “Adaptive water governance in political and socio-economic paths of the Lower Mekong Region.” Final Knowledge Dissemination Workshop. 9-10 February 2023. APN Project “Capacity Building for measuring multi-hazard livelihood security and resilience in the Lower Mekong Basin.
- Keynote lecture “Rural-urban Disparities and New Rural Vulnerable and Marginalised Groups.” Module 3 “Social and Cultural Sustainability. 18-19 February 2023. Urban-Rural Sustainability Fellowship 2022-2023.
- Keynote “Cooperatives and socio-environmental challenges” International Day of Cooperatives 2021. Network for Development of Agri Coops in Asia & The Pacific (NEDAC). 3 July 2021 Bangkok.
- Invited lecture: “Agriculture development in the context of climate change” at Tra Vinh University, Vietnam. 7-9 June 2018.
- Invited Lecture “STEM education: concepts theories and practices” at Vietnam National Institute of Education Management.
- Invited Lecture “STEM education and Sustainable Development in Vietnam” at training in Hanoi, Danang, Buon Ma Thuot and Hai Phong for secondary school teachers organized by VN MOET.

#### *Policy brief*

- **Nguyen, T.P.L.** (2022). Inequality of air pollution impacts among Socio-Economic Vulnerable Groups in the world of work. To be published by SEI/IRDC.
- Policy brief: Das Gupta., A, **Nguyen. T.P.L.**, Saurav KC. (2021) Strengthening groundwater governance in rapidly urbanizing areas of the Lower Mekong region. <https://www.sumernet.org/publication/strengthening-groundwater-governance-in-rapidly-urbanizing-areas-of-the-lower-mekong-region>.

#### *Organization of training courses, conferences, seminars, and workshops.*

<b>Training courses, conferences, seminars, and workshops</b>	<b>Role</b>	<b>Date</b>	<b>Venue</b>
Rural Sustainability Programme – APAC Initiative for Regional Impact (AIRI). Regional Forum I -bridging Knowledge and Action: the Roles of the University in Rural Revitalisation	Organizer	11-18 June 2023	HongKong
Rural Sustainability Programme – APAC Initiative for Regional Impact (AIRI) – One year Incubation Fellowship Training program	Organizer	Sept 2022- Aug 2023	Virtual and in person in Thailand, HongKong, China and Taiwan
Scientific workshop and Policy Roundtable environmental inequalities of air pollution of socio-economic vulnerable groups in the world of work.	Organizer	7 Sept 2022	Novotel Hotel, Siam Square, Bangkok
Urban-Rural Sustainability Fieldtrip on Experience of Urban-Rural Development Transition under the Asia Pacific Rural Sustainability Fellowship Program	Organizer	27 July 2022	Hua Takhe Community in Bangkok
Urban-Rural Sustainability Fieldtrip on challenges and opportunities of divergent socio-economic rural development under the Asia Pacific Rural Sustainability Fellowship Program	Organizer	22 July 2022	Saraburi Province
Asia Pacific Regional Roundtable on Rural Sustainability	Organiser	25 June 2022	Virtual
Learning workshop with multi-stakeholders “Assessment of environmental inequalities of air pollution of socio-economic vulnerable groups in the world of work.	Organizer	15 Feb 2022	Virtual
Inception Workshop- Strengthening Groundwater Governance in Rapidly Urbanizing Areas of the Lower Mekong Region	Organiser	19 Jan 2021	AIT (Thailand)
Inception Workshop - Groundwater Infrastructure Sustainability Assessment	Organiser	1 Dec 2021	AIT (Thailand)
Tribunale della Siccità by UNCCD	Member	16 June 2017	Sassari (Italy)
International conference on Dry land ecosystem functioning and resilience: integrating biophysical assessment with socio-economic issues	Member	14-15 July 2011	Alghero (Italy)
FACCE MACSUR Mid- term Scientific Conference “Achievements, Activities, Advancement	Member	1-4 April 2014	Sassari (Italy)
Workshop on Two years of FAO Project: overview and review of critical issues in Tam Giang”	Coordinator	27 November 2007	Hue (Vietnam)

*Editing or serving on advisory boards of journals/international conferences*

- Associate Editor of Gender, Gender, Technology, and Development - GTD Journal. Taylor& Francis.

- Scientific Committee member and section chair of The NERPS 2023 - Network for Education and Research on Peace and Sustainability (Hiroshima University) in Thailand. 28 Feb- 03 Mar 2023.
- Scientific Committee member and section chair of The ICSD – International Conference on Sustainable Development in Nepal. 23 – 24 June 2023
- Technical committee member of the 2021 8th International Conference on Environment Pollution and Prevention in Australia (ICEPP 2021)
- Technical committee member THA 2022 International Conference on Moving Towards Sustainable Water and Climate Change Management After COVID-19 in Thailand.
- 2nd International Symposium on Disaster Resilience and Sustainable Development”
- Technical committee member of the 2018 6th International Conference on Environment Pollution and Prevention (ICEPP 2018) in Brisbane, Australia. December 6-8, 2018.
- Technical committee member of the 2018 5th International Conference on Environmental Systems Research (ICESR 2018), in Brisbane, Australia. December 6-8, 2018.
- Technical committee member of the 2019 7th International Conference on Environment Pollution and Prevention (ICEPP 2019) in Melbourne, Australia. December 18-20 Dec, 2019.
- Technical committee member of the 2019 6th International Conference on Environmental Systems Research (ICESR 2019), in Melbourne, Australia from December 18-20, 2019.