

# Irma Chacn

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76  
papers

1,014  
citations

16  
h-index

30  
g-index

83  
ext. papers

1,242  
ext. citations

3.4  
avg, IF

4.78  
L-index

#	Paper	IF	Citations
76	Improving Hill Farming: From Maize Monocropping to Alternative Cropping Systems in the Thai Highlands. <i>Land</i> , <b>2022</b> , 11, 132	3.5	
75	Estimation of baseline emissions, forest reference emission level, and carbon removals due to forest area changes in Afghanistan between 1993 and 2030 <b>2022</b> , 2, 100003		0
74	Use of the knowledge, attitude, and practice (KAP) model to examine sustainable agriculture in Thailand. <i>Regional Sustainability</i> , <b>2022</b> , 3, 41-52	2.8	1
73	Assessing the efficiency of smallholder sugarcane production: The case of Faisalabad, Pakistan. <i>Agricultural Water Management</i> , <b>2022</b> , 269, 107643	5.9	
72	Nature-based Carbon Pricing of Full Ecosystem Services for Peatland Conservation – Case Study in Riau Province, Indonesia. <i>Nature-based Solutions</i> , <b>2022</b> , 2, 100023		
71	The real potential of current passive satellite data to map aboveground biomass in tropical forests. <i>Remote Sensing in Ecology and Conservation</i> , <b>2021</b> , 7, 504-520	5.3	4
70	Impacts of Tourism Development on Coastal Communities in Cha-am Beach, the Gulf of Thailand, through Analysis of Local Perceptions. <i>Sustainability</i> , <b>2021</b> , 13, 4423	3.6	0
69	Assessment of the overall carbon storage in a teak plantation in Kanchanaburi province, Thailand – Implications for carbon-based incentives. <i>Cleaner Environmental Systems</i> , <b>2021</b> , 2, 100023	2	3
68	Management of plantation forests for bioenergy generation, timber production, carbon emission reductions, and removals. <i>Cleaner Environmental Systems</i> , <b>2021</b> , 2, 100029	2	2
67	Assessment of the Forest Carbon Balance Due to Deforestation and Plantation Forestry in Southeast Asia. <i>Economics, Law, and Institutions in Asia Pacific</i> , <b>2021</b> , 89-110	0.2	
66	Management of Natural Forests for Carbon Emission Reductions Through Improved Logging Practices and Wood Bioenergy Use. <i>Economics, Law, and Institutions in Asia Pacific</i> , <b>2021</b> , 39-57	0.2	
65	Factors affecting farmers' choice of tube well ownership in Punjab, Pakistan <b>2021</b> , 239-254		
64	Predicting carbon emissions, emissions reductions, and carbon removal due to deforestation and plantation forests in Southeast Asia. <i>Journal of Cleaner Production</i> , <b>2021</b> , 312, 127728	10.3	2
63	Residents' Perception of Changing Local Conditions in the Context of Tourism Development: The Case of Phuket Island. <i>Sustainability</i> , <b>2021</b> , 13, 8699	3.6	
62	Valuation of Local Demand for Improved Air Quality: The Case of the Mae Moh Coal Mine Site in Thailand. <i>Atmosphere</i> , <b>2021</b> , 12, 1132	2.7	2
61	Factors affecting farmers' willingness to adopt a mobile app in the marketing of bamboo products. <i>Resources, Conservation &amp; Recycling Advances</i> , <b>2021</b> , 11, 200056		1
60	Timber production and carbon emission reductions through improved forest management and substitution of fossil fuels with wood biomass. <i>Resources, Conservation and Recycling</i> , <b>2021</b> , 173, 105737 <sup>11.9</sup>		1

59	Datasets of drought and flood impact on croplands in Southeast Asia from 1980 to 2019. <i>Data in Brief</i> , <b>2021</b> , 38, 107406	1.2	1
58	Impacts of droughts and floods on croplands and crop production in Southeast Asia - An application of Google Earth Engine. <i>Science of the Total Environment</i> , <b>2021</b> , 795, 148829	10.2	11
57	Impacts of Climate Change on Agriculture in South-East Asia Drought Conditions and Crop Damage Assessment. <i>Economics, Law, and Institutions in Asia Pacific</i> , <b>2021</b> , 3-38	0.2	
56	Applying LiDAR to Quantify the Plant Area Index Along a Successional Gradient in a Tropical Forest of Thailand. <i>Forests</i> , <b>2020</b> , 11, 520	2.8	3
55	Assessment of the changing levels of livelihood assets in the Kampong Phluk community with implications for community-based ecotourism. <i>Tourism Management Perspectives</i> , <b>2020</b> , 34, 100664	5.8	3
54	Assessment of carbon stocks in oak forests along the altitudinal gradient: A case study in the Panchase Conservation Area in Nepal. <i>Global Ecology and Conservation</i> , <b>2020</b> , 23, e01171	2.8	6
53	Identification of the Direct and Indirect Drivers of Deforestation and Forest Degradation in Cambodia. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 84-95	0.9	1
52	Forest aboveground biomass stock and resilience in a tropical landscape of Thailand. <i>Biogeosciences</i> , <b>2020</b> , 17, 121-134	4.6	11
51	Applications of the Google Earth Engine and Phenology-Based Threshold Classification Method for Mapping Forest Cover and Carbon Stock Changes in Siem Reap Province, Cambodia. <i>Remote Sensing</i> , <b>2020</b> , 12, 3110	5	8
50	Effect of REDD+ projects on local livelihood assets in Keo Seima and Oddar Meanchey, Cambodia. <i>Heliyon</i> , <b>2020</b> , 6, e03802	3.6	4
49	Mapping the Natural Distribution of Bamboo and Related Carbon Stocks in the Tropics Using Google Earth Engine, Phenological Behavior, Landsat 8, and Sentinel-2. <i>Remote Sensing</i> , <b>2020</b> , 12, 3109	5	5
48	Assessment of the Local Perceptions on the Drivers of Deforestation and Forest Degradation, Agents of Drivers, and Appropriate Activities in Cambodia. <i>Sustainability</i> , <b>2020</b> , 12, 9987	3.6	3
47	Optimization of Macroalgal Density and Salinity for Nutrient Removal by <i>Caulerpa lentillifera</i> from Aquaculture Effluent. <i>Processes</i> , <b>2019</b> , 7, 303	2.9	10
46	Capacity of <i>Caulerpa lentillifera</i> in the Removal of Fish Culture Effluent in a Recirculating Aquaculture System. <i>Processes</i> , <b>2019</b> , 7, 440	2.9	5
45	Determination of Vegetation Thresholds for Assessing Land Use and Land Use Changes in Cambodia using the Google Earth Engine Cloud-Computing Platform. <i>Remote Sensing</i> , <b>2019</b> , 11, 1514	5	33
44	Assessment of local perception on eco-industrial estate performances after 17 years of implementation in Thailand. <i>Environmental Development</i> , <b>2019</b> , 32, 100457	4.1	5
43	Changing Landscapes and Declining Populations of Resident Waterbirds: A 12-Year Study in Bung Boraphet Wetland, Thailand. <i>Tropical Conservation Science</i> , <b>2018</b> , 11, 194008291775083	1.4	6
42	Application of livelihood vulnerability index in assessing smallholder maize farming households' vulnerability to climate change in Brong-Ahafo region of Ghana. <i>Kasetsart Journal of Social Sciences</i> , <b>2018</b> , 39, 22-32	0	73

41	Forecasting Transplanted Rice Yield at the Farm Scale Using Moderate-Resolution Satellite Imagery and the AquaCrop Model: A Case Study of a Rice Seed Production Community in Thailand. <i>ISPRS International Journal of Geo-Information</i> , <b>2018</b> , 7, 73	2.9	10
40	Levels of Technical, Allocative, and Groundwater Use Efficiency and the Factors Affecting the Allocative Efficiency of Wheat Farmers in Pakistan. <i>Sustainability</i> , <b>2018</b> , 10, 1619	3.6	7
39	Influence of Indigenous Spiritual Beliefs on Natural Resource Management and Ecological Conservation in Thailand. <i>Sustainability</i> , <b>2018</b> , 10, 2842	3.6	16
38	Local livelihood under different governances of tourism development in China [A case study of Huangshan mountain area. <i>Tourism Management</i> , <b>2017</b> , 61, 221-233	10.8	52
37	Waterlogging, crop damage and adaptation interventions in the coastal region of Bangladesh: A perception analysis of local people. <i>Environmental Development</i> , <b>2017</b> , 23, 22-32	4.1	20
36	Influencing Factors of the Adoption of Agricultural Irrigation Technologies and the Economic Returns: A Case Study in Chaiyaphum Province, Thailand. <i>Sustainability</i> , <b>2017</b> , 9, 1524	3.6	28
35	Mapping of Shorea robusta Forest Using Time Series MODIS Data. <i>Forests</i> , <b>2017</b> , 8, 384	2.8	8
34	Effective governance in tourism development [An analysis of local perception in the Huangshan mountain area. <i>Tourism Management Perspectives</i> , <b>2016</b> , 20, 112-123	5.8	21
33	Forest reference emission level and carbon sequestration in Cambodia. <i>Global Ecology and Conservation</i> , <b>2016</b> , 7, 82-96	2.8	15
32	Assessment of carbon stocks of semi-evergreen forests in Cambodia. <i>Global Ecology and Conservation</i> , <b>2016</b> , 5, 34-47	2.8	13
31	Opportunities for Improved Transparency in the Timber Trade through Scientific Verification. <i>BioScience</i> , <b>2016</b> , 66, 990-998	5.7	38
30	Sustainable Management of Tropical Forests Can Reduce Carbon Emissions and Stabilize Timber Production. <i>Frontiers in Environmental Science</i> , <b>2016</b> , 4,	4.8	41
29	Tree-based approach to evaluate size dependence of residual tree damage caused by selective logging: Case study in tropical semi-evergreen forests of Cambodia. <i>Forest Ecology and Management</i> , <b>2015</b> , 356, 285-292	3.9	9
28	Carbon emission reductions by substitution of improved cookstoves and cattle mosquito nets in a forest-dependent community. <i>Global Ecology and Conservation</i> , <b>2015</b> , 4, 434-444	2.8	2
27	Floristic Composition, Diversity and Stand Structure of Tropical Forests in Popa Mountain Park. <i>Journal of Environmental Protection</i> , <b>2014</b> , 05, 1588-1602	0.6	10
26	Assessment of Drivers of Deforestation and Forest Degradation in Phnom Tbeng Forest Based on Socio-Economic Surveys. <i>Journal of Environmental Protection</i> , <b>2014</b> , 05, 1641-1653	0.6	10
25	Re-Assessment of Forest Carbon Balance in Southeast Asia: Policy Implications for REDD+. <i>Low Carbon Economy</i> , <b>2014</b> , 05, 153-171	0.9	3
24	Cumulative Carbon Fluxes Due to Selective Logging in Southeast Asia. <i>Low Carbon Economy</i> , <b>2014</b> , 05, 180-191	0.9	2

23	Estimation of Carbon Emission Reductions by Managing Dry Mixed Deciduous Forest: Case Study in Popa Mountain Park. <i>Low Carbon Economy</i> , <b>2014</b> , 05, 80-93	0.9	2
22	Reducing Carbon Emissions through Improved Forest Management in Cambodia. <i>Low Carbon Economy</i> , <b>2013</b> , 04, 55-67	0.9	2
21	Managing production forests for timber production and carbon emission reductions under the REDD+ scheme. <i>Environmental Science and Policy</i> , <b>2012</b> , 23, 35-44	6.2	28
20	Assessment of Forest Carbon Stocks in Cambodia(ORAL SESSION,Followup and New Challenge for Coming Generations,The Second International Conference on FORCOM,Abstract Proceedings of FORCOM2011). <i>Journal of Forest Planning</i> , <b>2012</b> , 17, 63	0	
19	Impacts of Reduced Impact Logging on Stand Structures in Mixed Forests in 3 Northeastern Provinces in Cambodia(ORAL SESSION,Followup and New Challenge for Coming Generations,The Second International Conference on FORCOM,Abstract Proceedings of FORCOM2011). <i>Journal of Forest Planning</i> , <b>2012</b> , 17, 64	0	
18	Variations of Carbon Stocks in Mixed Forests in 3 Northeastern Provinces in Cambodia(ORAL SESSION,Followup and New Challenge for Coming Generations,The Second International Conference on FORCOM,Abstract Proceedings of FORCOM2011). <i>Journal of Forest Planning</i> , <b>2012</b> , 17, 63-64	0	
17	REDD Development in Cambodia[Potential Carbon Emission Reductions in a REDD Project. <i>ForMath</i> , <b>2011</b> , 10, 1-23	1.5	11
16	Using Online Tools to Assess Public Responses to Climate Change Mitigation Policies in Japan. <i>Future Internet</i> , <b>2011</b> , 3, 117-129	3.3	9
15	Approaches to classifying and restoring degraded tropical forests for the anticipated REDD+ climate change mitigation mechanism. <i>IForest</i> , <b>2011</b> , 4, 1-6	1.3	34
14	Time to Substitute Wood Bioenergy for Nuclear Power in Japan. <i>Energies</i> , <b>2011</b> , 4, 1051-1057	3.1	7
13	Carbon emission reduction potentials through thinned wood in Japan. <i>IForest</i> , <b>2011</b> , 4, 107-112	1.3	4
12	Potential Carbon Sinks in Tropical Forests under the REDD+ Mechanism. <i>ForMath</i> , <b>2011</b> , 10, 25-43	1.5	
11	Benefits of tropical forest management under the new climate change agreement— case study in Cambodia. <i>Environmental Science and Policy</i> , <b>2010</b> , 13, 384-392	6.2	20
10	Comparison of Promotion Policies for Utilization of Woody Biomass between European Countries and Japan.. <i>Journal of the Japanese Forest Society</i> , <b>2010</b> , 92, 88-92	0.2	4
9	What is Forest?—Response to Guariguata et al.. <i>Conservation Letters</i> , <b>2009</b> , 2, 288-289	6.9	2
8	Biomass carbon sinks in Japanese forests: 1966-2012. <i>Forestry</i> , <b>2009</b> , 82, 105-115	2.2	11
7	Woody biomass and bioenergy potentials in Southeast Asia between 1990 and 2020. <i>Applied Energy</i> , <b>2009</b> , 86, S140-S150	10.7	52
6	Critical need for new definitions of Forest and Forest degradation in global climate change agreements. <i>Conservation Letters</i> , <b>2009</b> , 2, 226-232	6.9	216

5	Assessment of non-timber forest products in Phnom Kok community forest, Cambodia. <i>Asia Europe Journal</i> , <b>2008</b> , 6, 345-354	1.3	17
4	Potential Carbon Sequestration in Japanese Forests during the First Commitment Period of the Kyoto Protocol. <i>ForMath</i> , <b>2008</b> , 7, 1-14	1.5	2
3	Estimating actual and potential government revenues from timber harvesting in Cambodia. <i>Forest Policy and Economics</i> , <b>2006</b> , 8, 625-635	3.6	11
2	Carbon emissions due to land-use change and logging in Cambodia: a modeling approach. <i>Journal of Forest Research</i> , <b>2006</b> , 11, 397-403	1.4	14
1	Appropriate measures for conservation of terrestrial carbon stocks: Analysis of trends of forest management in Southeast Asia. <i>Forest Ecology and Management</i> , <b>2004</b> , 191, 283-299	3.9	59