

# Andimuthu Ramachandran

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,073  
citations

430874

18  
h-index

414414

32  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1324  
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting the current and future suitable habitat distribution of <i>Myristica dactyloides</i> Gaertn. using MaxEnt model in the Eastern Ghats, India. <i>Ecological Engineering</i> , 2015, 82, 184-188.	3.6	165
2	Direct mineral carbonation of coal fly ash for CO <sub>2</sub> sequestration. <i>Journal of Cleaner Production</i> , 2016, 112, 4173-4182.	9.3	137
3	Farmers' perceptions of climate change and the proposed agriculture adaptation strategies in a semi arid region of south India. <i>Journal of Integrative Environmental Sciences</i> , 2016, 13, 1-18.	2.5	84
4	Biochar from biomass waste as a renewable carbon material for climate change mitigation in reducing greenhouse gas emissions—a review. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 2247-2267.	4.6	83
5	Regional climate model applications on sub-regional scales over the Indian monsoon region: The role of domain size on downscaling uncertainty. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	52
6	Direct mineral carbonation of steelmaking slag for CO <sub>2</sub> sequestration at room temperature. <i>Environmental Science and Pollution Research</i> , 2016, 23, 7349-7359.	5.3	41
7	Predicted impact of the sea-level rise at Vellar-Coleroon estuarine region of Tamil Nadu coast in India: Mainstreaming adaptation as a coastal zone management option. <i>Ocean and Coastal Management</i> , 2012, 69, 327-339.	4.4	40
8	Performance of urban storm drainage network under changing climate scenarios: Flood mitigation in Indian coastal city. <i>Scientific Reports</i> , 2019, 9, 7783.	3.3	38
9	Spatial trend, environmental and socioeconomic factors associated with malaria prevalence in Chennai. <i>Malaria Journal</i> , 2014, 13, 14.	2.3	37
10	<i>Pseudomonas aeruginosa</i> RRALC3 Enhances the Biomass, Nutrient and Carbon Contents of <i>Pongamia pinnata</i> Seedlings in Degraded Forest Soil. <i>PLoS ONE</i> , 2015, 10, e0139881.	2.5	36
11	Climate change projections over India by a downscaling approach using PRECIS. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2016, 52, 353-369.	2.3	31
12	Projection of climate change-induced sea-level rise for the coasts of Tamil Nadu and Puducherry, India using SimCLIM: a first step towards planning adaptation policies. <i>Journal of Coastal Conservation</i> , 2017, 21, 731-742.	1.6	29
13	Climate change projections for Tamil Nadu, India: deriving high-resolution climate data by a downscaling approach using PRECIS. <i>Theoretical and Applied Climatology</i> , 2016, 123, 523-535.	2.8	25
14	Temperature trends of Chennai City, India. <i>Theoretical and Applied Climatology</i> , 2013, 111, 417-425.	2.8	24
15	Rising sea and threatened mangroves: a case study on stakeholders, engagement in climate change communication and non-formal education. <i>International Journal of Sustainable Development and World Ecology</i> , 2012, 19, 330-338.	5.9	23
16	Spatiotemporal analysis of projected impacts of climate change on the major C3 and C4 crop yield under representative concentration pathway 4.5: Insight from the coasts of Tamil Nadu, South India. <i>PLoS ONE</i> , 2017, 12, e0180706.	2.5	22
17	Rooting and shooting: dual function of thidiazuron in in vitro regeneration of soybean ( <i>Glycine max.</i> ) Tj ETQq1 1 0.784314 rgBT /Overlo 2.1 20	2.1	20
18	Forest Dynamics in the Eastern Ghats of Tamil Nadu, India. <i>Environmental Management</i> , 2009, 43, 326-345.	2.7	20

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19	Spatial variation of temperature and indicative of the urban heat island in Chennai Metropolitan Area, India. <i>Theoretical and Applied Climatology</i> , 2016, 123, 83-95.	2.8	20
20	Climate change impact on fluvial flooding in the Indian sub-basin: A case study on the Adyar sub-basin. <i>PLoS ONE</i> , 2019, 14, e0216461.	2.5	18
21	Projected and Observed Aridity and Climate Change in the East Coast of South India under RCP 4.5. <i>Scientific World Journal, The</i> , 2015, 2015, 1-11.	2.1	15
22	Critical Analysis of Forest Degradation in the Southern Eastern Ghats of India: Comparison of Satellite Imagery and Soil Quality Index. <i>PLoS ONE</i> , 2016, 11, e0147541.	2.5	15
23	Restoration of Degraded Soil in the Nanmangalam Reserve Forest with Native Tree Species: Effect of Indigenous Plant Growth-Promoting Bacteria. <i>Scientific World Journal, The</i> , 2016, 2016, 1-9.	2.1	13
24	Indigenous plant growth-promoting bacteria enhance plant growth, biomass, and nutrient uptake in degraded forest plants. <i>3 Biotech</i> , 2018, 8, 154.	2.2	12
25	Developing climate change scenarios for Tamil Nadu, India using MAGICC/SCENGEN. <i>Theoretical and Applied Climatology</i> , 2013, 114, 705-714.	2.8	9
26	Assessment of Population Exposure to Coarse and Fine Particulate Matter in the Urban Areas of Chennai, India. <i>Scientific World Journal, The</i> , 2015, 2015, 1-11.	2.1	9
27	Vulnerability and adaptation assessment a way forward for sustainable sectoral development in the purview of climate variability and change: insights from the coast of Tamil Nadu, India. <i>International Journal of Global Warming</i> , 2016, 10, 307.	0.5	9
28	Sequestration of carbon dioxide by red mud through direct mineral carbonation at room temperature. <i>International Journal of Global Warming</i> , 2017, 11, 23.	0.5	9
29	Trends of the observed temperature and its variations in the Tamil Nadu State of India. <i>Theoretical and Applied Climatology</i> , 2019, 137, 103-116.	2.8	8
30	“Climate portfolio” of Pichavaram mangrove region of Tamil Nadu coast, India: an add-on information for adaptation policy planning. <i>Journal of Integrative Environmental Sciences</i> , 2014, 11, 173-186.	2.5	7
31	Characterization of future climate extremes over Tamil Nadu, India, using high-resolution regional climate model simulation. <i>Theoretical and Applied Climatology</i> , 2019, 138, 1297-1309.	2.8	6
32	A new species of <i>Gymnema</i> (Asclepiadaceae) from the Kollihills in Peninsular India. <i>Adansonia</i> , 2009, 31, 407-411.	0.2	4
33	Long-term rainfall trends of Indian urban station and its variation in different phases and seasons. <i>International Journal of Global Warming</i> , 2015, 7, 307.	0.5	4
34	Anticandidial and anticryptococcal activity of <i>Euphorbia fusiformis</i> , a rare medicinal plant. <i>World Journal of Microbiology and Biotechnology</i> , 2007, 23, 719-721.	3.6	3
35	A preliminary assessment of observed and projected trends in the diurnal temperature ranges over South India under SRES A1B scenario. <i>International Journal of Global Warming</i> , 2016, 9, 1.	0.5	3
36	Evaluation of Antibacterial and Structural Elucidation of Biological Compounds from <i>Gymnema kollimalayanum</i> A. Ramachandran and M.B. Viswan: A New Record Plant. <i>Research Journal of Pharmacology</i> , 2011, 5, 4-8.	0.3	2

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37	The Urgent Need for Enhancing Forest Ecosystem Resilience Under the Anticipated Climate Portfolio Over Kerala Under RCP 4.5 and Its Possible Implications on Forests. <i>Climate Change Management</i> , 2019, , 157-174.	0.8	0
38	Spatial and temporal variations of water quality in Pallikaranai wetland, Chennai, India. <i>International Journal of Global Environmental Issues</i> , 2019, 18, 86.	0.1	0