<u>Dr.K.Palanivelu</u>, <u>Professor – Publication Details</u>

- 1. Prasanta Kumar Bal, A. Ramachandran, , **K.Palanivelu**, P. Thirumurugan, , Geetha. R, , B.Bhaskaran,, " Climate Change Projections over India by a Downscaling Approach using PRECIS", Asia-Pacific Journal of Atmospheric Sciences, (2016).
- 2. RushendraRevathy T.D, **Palanivelu K**, Ramachandran. A,, "Direct Mineral Carbonation of Coal Fly Ash for CO2 Sequestration", Journal of Cleaner Production, published by Elseveir. Vol.112, pp. 4173-4182 (2016).
- 3. A Ramachandran, D Praveen, P Radhapriya, SK Divya, K Remya, . **Palanivelu K...**, "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 …", International Journal of Global Warming , Vol. 10, Issue 1, pp. 307-331 (2016).
- 4. V Kavitha, **K Palanivelu**, "Degradation of phenol and trichlorophenol by heterogeneous photo-Fenton process using Granular Ferric Hydroxide®: comparison with homogeneous system", International journal of environmental science and technology, Vol. 13, Issue 3, pp. 927-936 (2016).
- 5. JR Raji, **K Palanivelu**, "Semiconductor coupled solar photo-Fenton's treatment of dyes and textile effluent", Advances in environmental research, Vol. 5, Issue 1, pp. 61-77 (2016).
- 6. D Praveen, R Andimuthu, **K Palanivelu**, "The urgent call for land degradation vulnerability assessment for conserving land quality in the purview of climate change: Perspective from South Indian Coast", AIMS Agriculture and Food, published by Aims Press. Vol. 1, Issue 3, pp.330 (2016).
- 7. TDR Revathy, **K Palanivelu**, A Ramachandran, "Direct mineral carbonation of steelmaking slag for CO2 sequestration at room temperature", Environmental Science and Pollution Research, published by Springer Berlin Heidelberg. Vol. 23, Issue 8, pp. 7349-7359 (2016).
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- 9. D Praveen, A Ramachandran, R Jaganathan, E Krishnaveni, **K Palanivelu,** "Projecting droughts in the purview of climate change under RCP 4.5 for the Coastal Districts of South India", Indian Journal of Science and Technology, Vol. 9, Issue 6, (2016).

- 10. D Praveen, **K Palanivelu**, "Spatiotemporal analysis of projected impacts of climate change on the major C3 and C4 crop yield under representative concentration pathway 4.5: Insight from …", PloS one, Vol. 12, Issue 7, (2017).
- 11. AU Maheswari, **K Palanivelu**, "Separation of carbon dioxide and nitrogen gases using novel composite membranes", Canadian Journal of Chemistry, published by NRC Research Press. Vol. 95, Issue 1, pp. 57-67 (2017).
- 12. AU Maheswari, **K Palanivelu**, "Alkyl amine and vegetable oil mixture—a viable candidate for CO2 capture and utilization", Environmental Science and Pollution Research, Vol. 24, Issue 6, pp. 5733-5745 (2017).
- 13. TDR Revathy, **K Palanivelu**, A Ramachandran, "Sequestration of carbon dioxide by red mud through direct mineral carbonation at room temperature", International Journal of Global Warming , published by Inderscience Publishers (IEL). Vol. 11, Issue 1, pp. 23-37 (2017).
- 14. **K Palanivelu**, "Climate change mitigation via utilization of carbon dioxide", Carbon Utilization published by Springer, Singapore. pp. 131-141 (2017).
- 15. A Ramachandran, D Praveen, R Jaganathan, D RajaLakshmi, **K Palanivelu,...**, "Spatiotemporal analysis of projected impacts of climate change on the major C3 and C4 crop yield under representative concentration pathway 4.5: Insight from ...", PloS one, published by Public Library of Science. Vol. 12, Issue 7, pp. e0180706 (2017).
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- 19. D Praveen, A Ramachandran, **K Palanivelu**, "Constructing Local Sea Level Rise Scenarios for Assessing Possible Impacts and Adaptation Needs: Insights from Coasts of India", Sea Level Rise and Coastal Infrastructure, published by BoD�Books on Demand. Vol. 9, Issue 2018, (2018).

- 20. A Saravanan, **K Palanivelu**, "Removal of Mercury in Thermal Plant Waste Water Discharge", Journal of Basic and Applied Engineering Research, published by Krishi Sanskriti Publications . Vol. 5, Issue 7, pp. 526-528 (2018).
- 21. J. Anushiya, A. Ramachandran and **K. Palanivelu**, "Trends of the observed temperature and its variations in the Tamil Nadu State of India", Theoretical and Applied Climatology, published by Springer. (2018).
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- 26. K Shankar, **P Kandasamy**, "Carbon dioxide separation using α‐alumina ceramic tube supported cellulose triacetate‐tributyl phosphate composite membrane",
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