

## Abhishek Krishnan

Masters Student in Civil and Environmental Engineering, admitted Autumn 2021

### Publications

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#### PUBLICATIONS

- **A critical review on the formation, fate and degradation of the persistent organic pollutant hexachlorocyclohexane in water systems and waste streams** *CHEMOSPHERE*  
Adithya, S., Jayaraman, R., Krishnan, A., Malolan, R., Gopinath, K., Arun, J., Kim, W., Govarthanam, M.  
2021; 271: 129866
- **Photocatalytic reforming of aqueous phase obtained from liquefaction of household mixed waste biomass for renewable bio-hydrogen production** *BIORESOURCE TECHNOLOGY*  
Rajagopal, J., Gopinath, K., Krishnan, A., Madhav, N., Arun, J.  
2021; 321: 124529
- **Bioenergy perspectives of cattails biomass cultivated from municipal wastewater via hydrothermal liquefaction and hydro-deoxygenation**  
Arun, J., Gopinath, K., Sivaramakrishnan, R., Madhav, N., Abhishek, K., Ramanan, V., Pugazhendhi, A.  
ELSEVIER SCI LTD.2021
- **A Review on Recent Trends in Nanomaterials and Nanocomposites for Environmental Applications** *CURRENT ANALYTICAL CHEMISTRY*  
Gopinath, K., Rajagopal, M., Krishnan, A., Sreerama, S.  
2021; 17 (2): 202-243
- **A critical review on the influence of energy, environmental and economic factors on various processes used to handle and recycle plastic wastes: Development of a comprehensive index** *JOURNAL OF CLEANER PRODUCTION*  
Gopinath, K., Nagarajan, V., Krishnan, A., Malolan, R.  
2020; 274
- **Present applications of titanium dioxide for the photocatalytic removal of pollutants from water: A review** *JOURNAL OF ENVIRONMENTAL MANAGEMENT*  
Gopinath, K., Madhav, N., Krishnan, A., Malolan, R., Rangarajan, G.  
2020; 270: 110906
- **Ionic liquids, deep eutectic solvents and liquid polymers as green solvents in carbon capture technologies: a review** *ENVIRONMENTAL CHEMISTRY LETTERS*  
Krishnan, A., Gopinath, K., Vo, D. N., Malolan, R., Nagarajan, V., Arun, J.  
2020; 18 (6): 2031-2054