



SDI Review Form 1.6

Journal Name:	Asian Journal of Environment & Ecology
Manuscript Number:	Ms_AJEE_33947
Title of the Manuscript:	Pharmaceuticals in Surface Water and Waste Water Treatment Plant Effluent Around the World – A Review
Type of the Article	Review paper

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	In our current society, public health facilities and general welfare increase our life quality, but they constitute a major burden on our water resources through the constant input of trace amounts of drugs, cosmetics, soaps, deodorants, insect repellants, etc. This problem is challenging, as nearly 3000 different substances are being used in medical care, such as painkillers, antibiotics, contraceptives, β-blockers, lipid regulators, tranquilizers, antiepileptic drugs, and anti-tumor agents. Additionally, thousands of chemicals are used in personal care products for hair, skin, and dental care such as dyes, ultraviolet (UV) blockers, fragrances, and preservatives. Pharmaceuticals products also enter the environment as parent drugs, their metabolites, and transformed products through industrial and/or domestic wastewater discharge as well as the farm application of sewage sludge from sewage treatment plants The advances in analytical technology in the past 15 years made the detection and quantification of these organic pollutants possible at nanogram-per-liter levels in all kinds of water bodies and solid matrices, thus enabling the study of their occurrence, effects, and mitigation. In this case, the paper reviews the occurrence of several pharmaceuticals and personal care products based on their studied frequencies in the literatures and the treatments of remove those PPCPs in wastewater and surface water (conventional physiochemical methods and advanced methods). I do not consider this paper as a review. This paper is only a presentation of a collection of literature data without a wide discussion about PPCPs in the surface water and wastewater. Please see the review published in this year (2017).	



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	Science of The Total Environment Volume 596–597, 303–320 <i>Occurrences and removal of pharmaceuticals and personal care products (PPCPs) in drinking water and water/sewage treatment plants: A review</i> Yi Yanga, Yong Sik Okb, Ki-Hyun Kimc, Eilhann E. Kwond, Yiu Fai Tsanga	
Minor REVISION comments		
Optional/General comments		

Reviewer Details:

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