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The 19th National Graduate Students' Environmental Forum will be held on May ,2024, at Tongji University (Shanghai, China).

The National Graduate Student' Environmental Forum is an academic exchange meeting for graduate students sponsored by the school of environmental science and engineering, Tongji University. The 18th National Graduate Student' Environmental Forum is in progress. The theme of this forum is:

The Organizing Committee of the forum sincerely invites Master & PhD students from all over the world working in environmental related fields to accelerate the innovation of global environmental governance!

Welcome to submit your papers and join this grand event!

	Treatment Technology of Urban Sewage and Industrial Wastewater
	Biological treatment and Resource Utilization of Sludge (Water)
	Management and Utilization Technology of Urban Stormwater
	Nonpoint Source Pollution and Urban Drainage System
	Simulation and Control of Environmental Pollution

	Control of Surface Water Pollution
	Theory and Technology of Drinking Water Treatment
	Advanced Treatment Technology of Drinking Water
	Drinking Water Safety and Disinfection Byproducts
	Membrane Separation Technology for Drinking Water
	Monitoring Methods of Aquatic Environment Quality

	Treatment Technology of Domestic Waste
	Treatment and Reuse of Sludge
	Biological Treatment and Resource Utilization of Organic Waste

	Treatment, Disposal and Resource Utilization of Industrial and Hazardous Wastes
	Kinetics and Simulation of Solid Waste Treatment

	Climate Change
	Air Pollution Control
	Chemical Reaction Kinetic of Atmosphere
	Atmospheric Sounding and Air Pollution Meteorology
	Atmospheric Pollution Dispersion Model and Application

	Development and Application of Photocatalytic/Electrocatalytic Materials
	Design, Synthesis and Characterization of Environmental Nanomaterials
	Development and Application of Other Environmental Protection Materials

	Technological Innovation under the Background of “Carbon Peaking & Neutrality”
	Interdisciplinary Integration under the Background of “Carbon Peaking & Neutrality”
	Other Environmental Research in related to “Carbon Peaking & Neutrality”

- 1 February 22nd, 2024
- 2 March 15th, 2024
- 3 May , 2024

Master's students & Doctoral students from universities.

This conference will not charge authors any registration fee, page fee or contribution fee. Part of the accommodation and transportation expenses of participants from universities outside Shanghai can be reimbursed.

Grand prize 1 winner; 4800 CNY

First prize 6 winners; 2300 CNY

Second prize 12 winners;; 1050 CNY

Third prize 24 winners;; 500 CNY

Best Poster Award 4 winners; 500 CNY

Excellent Posters Award 16 winners; 300 CNY

<https://www.saikr.com/vse/tjeforum/2024>

March 15th, 2024

1. The number of words in the main body of the manuscript should be less than 6000 words and no more than 15 pages. The content of the article conforms to the theme of the forum, and the specific format of manuscript is shown in the "Submission Format Requirements".

2. The manuscripts will be initially reviewed by the expert group, and the organizing committee of the forum will inform the excellent authors of the papers to prepare for the follow-up matters through the website, e-mail or telephone.

3. Authors must ensure that no employment notice is received from the official journal at the time of submission. The authors of manuscripts shall be deemed to agree with this article once submitted to this forum.

4. The proceedings of the 18th National Graduate Environmental Forum in 2024 will only be used for academic communication among participants, and have no official issue number, which does not affect the authors' submission to academic journals. The forum adheres to the originality and innovation of academic research and any plagiarism is strictly forbidden!

5. The forum will be held in Tongji University in the form of on-site exchange. Those who fail to participate in the on-site communication will be deemed as giving up the award-winning qualification.

6. In order to encourage technological innovation and interdisciplinary integration in the field of environment, the theme of "technological innovation and interdisciplinary integration in the context of 'Carbon Peaking and Neutrality'" is added to the solicitation of contributions in this forum. Economic, management, energy and other environmental research fields in line with the concept of " Carbon Peaking and Neutrality " are also welcome.

7. In order to encourage everyone to contribute actively and pay attention to the quality of articles, the selection of cover article is proposed for the first time in this forum. If the submitted paper has

outstanding performance in strong innovation, concise language and exquisite pictures, it may be voted by the judges and experts as the cover article of the proceedings of this Environmental Forum.

Our Wechat QR Code



E-mail address [tjeforum@163.com](mailto:tjeforum@163.com)

The 18th National Graduate Student' Environmental Forum

January 1st, 2024

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## Survey and application of flotation to water treatment

Wang Jingchao

(school of Municipal and Environmental Engineering, Harbin Institute of Technology, Harbin)

Dissolved air flotation(DAF), which is applied more and more to water plants...

flotation water supply treatment low turbidity water

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<sup>1</sup>State Key Lab of Urban Water Resource and Environment, Harbin Institute of Technology, Harbin; <sup>2</sup>College of Environmental Science and Engineering, Tongji University, Shanghai

The decomposition of bisphenol A (BPA), a well-known endocrine disruptor agent widely detected in surface waters, in aqueous solution by permanganate was investigated.....

Bisphenol A; Permanganate; Kinetics; Intermediate products; Pathways

Endocrine disrupting chemicals (EDCs) can mimic the biological activity of natural hormones, occupy (but not active) the hormone receptors, or interfere the transport and metabolic processes of natural hormones<sup>[1]</sup>.

### 2.1 Reagents and chemicals

BPA of 99% purity and KMnO<sub>4</sub>.....

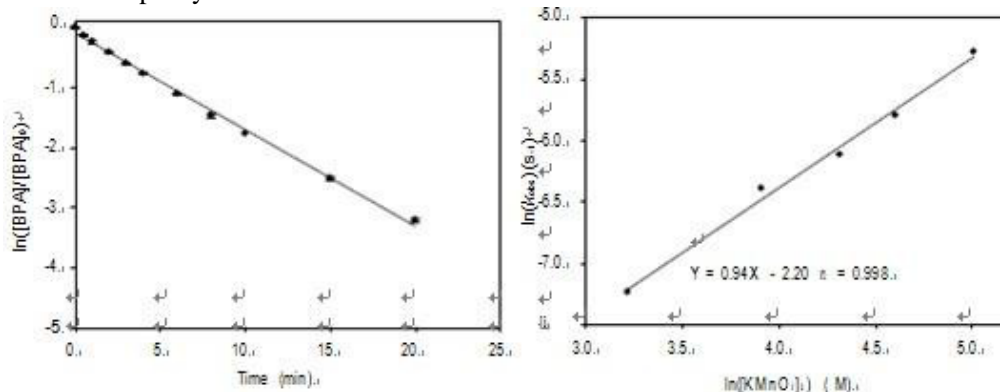


Table 1 Rate constants of BPA degradation with permanganate<sup>[1]</sup>

[Mn(VII)] (μM)	[BPA](μM)	pH(±0.)	T(°C)	k <sub>ox</sub> *10 <sup>3</sup> (s <sup>-1</sup> )	k(M <sup>-1</sup> s <sup>-1</sup> )	R <sup>2</sup>
25	5	7.0	20	0.72	28.67	0.998

Zhang Jxx( 1998 ) a female master who majors in wastewater treatment comes from Shanghai.

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