



# APPLIED CATALYSIS B: ENVIRONMENTAL

## AUTHOR INFORMATION PACK

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### DESCRIPTION

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*Applied Catalysis B: Environmental* welcomes original, novel and high-impact contributions from the following fields:

**Catalytic elimination of environmental pollutants**, such as nitrogen oxides, carbon monoxide, sulfur compounds, chlorinated and other organic compounds, and soot emitted from stationary or mobile sources  
Basic understanding of catalysts used in environmental pollution abatement, especially as applied to **industrial processes**  
All aspects of preparation, characterization, activation, deactivation and regeneration of novel and commercially applicable **environmental catalysts**  
New catalytic routes and processes for the production of **clean energy**, such as in hydrogen generation via catalytic fuel processing; and new catalysts and electrocatalysts for **fuel cells**  
Catalytic reactions in which wastes are converted to useful products  
Clean manufacturing replacing toxic chemicals with environmentally friendly catalysts  
Scientific aspects of photocatalytic processes and basic understanding of **photocatalysts** as applied to environmental problems  
New **catalytic combustion** technologies and catalysts

The journal will accept original Research Papers, Reviews and Letters to the [Editor](#). Papers dealing with reactions and processes aimed at the production of commercial products and the remaining aspect of catalysis should be directed to *Applied Catalysis A: General*. Enzymatic papers should be directed to *Journal of Molecular Catalysis B*.

### AUDIENCE

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Catalysis, Chemical Engineers, Organic Chemists, Polymer Chemists, Surface Chemists, Process Technologists, Petroleum Engineers, Environmental Catalysis, and Automotive Industry.

### IMPACT FACTOR

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### INTRODUCTION

*Applied Catalysis B: Environmental* welcomes original, novel and high-impact contributions from the following fields:

- Catalytic elimination of environmental pollutants, such as nitrogen oxides, carbon monoxide, sulfur compounds, chlorinated and other organic compounds, and soot emitted from stationary or mobile sources
- Basic understanding of catalysts used in environmental pollution abatement, especially as applied to industrial processes
- All aspects of preparation, characterization, activation, deactivation and regeneration of novel and commercially applicable environmental catalysts
- New catalytic routes and processes for the production of clean energy, such as in hydrogen generation via catalytic fuel processing; and new catalysts and electrocatalysts for fuel cells
- Catalytic reactions in which wastes are converted to useful products
- Clean manufacturing replacing toxic chemicals with environmentally friendly catalysts
- Scientific aspects of photocatalytic processes and basic understanding of photocatalysts as applied to environmental problems
- New catalytic combustion technologies and catalysts

### Types of Paper

The journal will accept original Research Papers, Reviews and Letters to the Editor. Papers dealing with reactions and processes aimed at the production of commercial products and the remaining aspect of catalysis should be directed to *Applied Catalysis A: General*. Enzymatic papers should be directed to *Journal of Molecular Catalysis B*.

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[2] W. Strunk Jr., E.B. White, *The Elements of Style*, fourth ed., Longman, New York, 2000.

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[4] Cancer Research UK, Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>, 2003 (accessed 13 March 2003).

Reference to a dataset:

[dataset] [5] M. Oguro, S. Imahiro, S. Saito, T. Nakashizuka, Mortality data for Japanese oak wilt disease and surrounding forest compositions, *Mendeley Data*, v1, 2015. <https://doi.org/10.17632/xwj98nb39r.1>.

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