

2022 Peter J. Dunn Award Nomination Form

Closing Date for Submissions: **December 31, 2021, 5 p.m. EST (GMT-5)**

Name of Nominator and Contact Info: name, company, address, email, phone

Name of Nominee(s) and Contact Info: (If different) If a technology was developed by a team, there may be up to ten team members listed.

Green Chemistry Technology Title:

Submission date: The application will be in consideration for three consecutive years once submitted.

Focus area selection:

This award recognizes industrial chemists who have developed more sustainable and green technologies with significant potential or realized impact on drug manufacture. While the award recognizes the accomplishments of individuals, the focus of the award is on the nominee's specific innovation/technology, rather than being a more general career achievement award. Please state which of the three focus areas best fits your technology:

1. Greener synthetic routes toward API or intermediates
2. Greener reaction conditions
3. Greener chemical or manufacturing technologies

Abstract: (not to exceed 300 words) Describe the technology, the problem it addresses and its benefits regarding the Design Principles of Green Chemistry & Engineering. Include the degree of implementation and transferability to manufacturing. Also, include any quantitative benefits such as the (potential) amounts of hazardous substances eliminated, energy saved, carbon dioxide emissions eliminated and water saved.

DETAILED DESCRIPTION OF NOMINATED GREEN TECHNOLOGY: Not to exceed three pages total, including schemes and tables. The judges will evaluate the (1) problem, (2) chemistry, and (3) realized or potential benefits.

- (1) **Problem.** Describe the challenges that existed prior to your improvements.
- (2) **Chemistry.** Describe the chemistry of your new technology emphasizing novelty, scientific merit and application at demonstrated scalability (describe the scale performed to date).
- (3) **Potential or realized benefits.** Detail the benefits to human health and environment by evaluation of your technology against the Design Principles of Green Chemistry, such as reduced toxicity of process materials or intermediates, and reduction or elimination of hazardous substances and process intermediates.

Note: Previous winning submissions from the EPA Green Chemistry Challenge Award are not eligible.

References: Please list

Please send this application to gcipr@acs.org
with "Peter J. Dunn Award Application – [your name]" in the subject line.