Introducing the IUPAC Seal of Approval for a wider adoption of IUPAC recommended symbols, terminology and nomenclature: Stage 1—Symbols

IUPAC makes great efforts to standardize chemical nomenclature, symbols, and terms, but it is evident that the authors of textbooks and scientific publications have no motivation for adopting these recommendations. A new project, initiated by the Analytical Chemistry Division in collaboration with the Physical and Biophysical Chemistry Division and the Committee on Publications and Cheminformatics Data Standards, represents the first step to introduce a "IUPAC Seal" to be conferred by IUPAC on books, textbooks or other scientific publications that adopt IUPAC recommendations. The Seal will add value to the work that receives it. This initial project will focus on IUPAC expert review of human-readable depictions of IUPAC symbols in analytical and physical chemistry publications.

For more information and comment, contact Task Group Chair Alessandro Minguzzi <Alessandro.Minguzzi@unimi.it> | https://iupac.org/project/2022-008-4-500/

Effective teaching tools and methods to learn about e-waste

Secondary and University chemical education is critical due to the central role that chemistry plays in sustainable development and developing new, clean technologies. Most students have cell/mobile phones and access to computers, but many may be unaware of end of life or more general life cycle considerations for such devices. Through this new interdivisional project coordinated by CHEMRAWN, educational materials on chemical aspects of e-waste will be gathered and shared widely. 10-12 examples for secondary school or university educators (*e.g.* in-class exercises, laboratory experiments) will be published. This will allow students to learn about e-waste from a chemical perspective and inspire educators to develop their ideas on this important topic related to sustainable chemistry.

The examples will be written-up as articles for a special issue of *Chemistry Teacher International* and contributors invited to take part in a webinar on e-waste education from a chemical perspective.

For more information and comment, contact Task Group Chair Fran Kerton <fkerton@mun.ca> | https://iupac.org/project/2022-016-1-021/

Check-out
iupac.org/what-we-do/resources/

A resources page on e-waste has been recently compiled; see iupac.org/e-waste

A Collection of Experimental Standard Procedures in Synthetic Photochemistry*

by Axel G. Griesbeck and Micheal Oelgemoller

Photochemistry has seen a remarkable renaissance in synthetic organic chemistry with numerous new methodologies and protocols in the scientific literature. As a result, photons have been declared a 21st century reagent [1]. Despite this encouraging development, photochemical processes have a longstanding reputation of being complicated, irreproducible, or unreliable. Likewise, the determination of photochemical reaction mechanisms is challenging, as for example expressed by Davidson as early as 1957: "*Photochemistry is like a jealous, proud mistress. She demands years of devotion and constant attention of her admirers before she reveals her secrets and bestows her favors*." [2]. These persistent misconceptions may be linked to the unique