IUPAC- Polymer Division IV

Subcommittee on Polymer Education

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INTRODUCTION

The Subcommittee was established in 2005 to bring existing educational activities under one roof and to emphasize both the importance of polymer education and the dedication of the IUPAC Polymer Division to this important field. Our current subcommittee is composed of 30 members (24M + 6F), representing every continent of the world. We support and organise actions such as:
- Educational activities for students from less-developed countries
- Educational sessions at the IUPAC Macro World Polymer Congress series
- Maintaining the IUPAC Polymer Education Website

The Subcommittee meets annually on the occasion of the alternating IUPAC General Assembly (odd years) and IUPAC Macro World Polymer Congress (even years).

KEY ACTIVITIES in 2022

Educational Workshop in Polymer Sciences

These workshops are intended for students or active researchers from emerging countries.
- Series 1-4 workshops (2016-2020)
- Series 2-4 workshops (2022-2028)

The next session MACRO 24 (Warwick), on the topic of: "Characterisation".

Future topics include:
- Processing (2026)
- Applications (2028)

For more info on the project, Scan the QR code below!

An International Exercise-Based Syllabus in Polymer Chemistry

Resource for teachers and students in less developed countries, providing the a syllabus and content with enough exercises to support an undergraduate course of study in polymer chemistry.

A first draft of the syllabus is very close to completion!

Personal Protective Equipment Disposal for the Future

Here, we aim to critically evaluate existing data about the components used in personal protective equipment (PPE), propose viable forms of disposal and raise awareness on the problems caused by used PPE. A series of posters and online supports are being developed:

Hands-on training on Wikipedia and Wikidata for application of IUPAC terms across Wikipedia

A Wikipedia editing course, to produce new material on polymer-related topics. One major result was to make the Polymer article a ‘feature’ article.

Members of the task group learned more in-depth about Wikipedia and Wikidata, and are applying this to the creation/editing of high-quality Wikipedia pages.

A new edition took place in Milano from the 3-7th of July 2023.

Synchronizing Wikipedia: Polymer Definitions and Terminology

We introduce IUPAC approved terminology (IUPAC boxes) into polymer-related content of Wikipedia, other work also includes:
- Check existing articles against existing Division IV Terminology & Nomenclature documents.
- Identify & create entries for Division IV terms
- Complete existing polymer "stubs"

Polymer video competition

We want to promote and use the work of the terminology and education subcommittees towards an educational application by inviting the public to create videos based on these documents.

Launch of the competition is expected for September 2023

Visit our website for more information!