

Nomination package must include a letter of nomination and a curriculum vitae of the nominee. See specific details in the application forms.

The Awards are managed by the Analytical Chemistry Division (ACD, Division V) of IUPAC. For information, please contact IUPAC by e-mail at <ACD-award@iupac.org>.

In 2023, Janusz Pawliszyn (University of Waterloo) received the IUPAC Analytical Chemistry Medal and Xin Yan (Texas A&M University) received the IUPAC Emerging Innovator Award in Analytical Chemistry, while in 2021 the recipients were Joseph Wang (University of California San Diego) and Tsuyoshi Minami (Tokyo University).

<https://iupac.org/2025-iupac-awards-in-analytical-chemistry-call-for-nominations/>

IUPAC Elections for the 2026–2027 Term

Every two years, IUPAC holds an election for its officers and committee members. About 120 individuals are to be elected or reelected either as Titular Members, Associate Members, or National Representatives. Information concerning the voting process and the role of each kind of member is contained in the Union bylaws (see <https://iupac.org/who-we-are/organizational-guidelines/>).

Each member of an IUPAC body (Division, Standing Committee, or Commission) is expected to become an active participant in the work of the body. This work includes helping to decide on the program and in reviewing proposals for projects. These duties require the members to have expertise in the relevant discipline. Much of each Committee's work is conducted by e-mail correspondence. Specific criteria have been provided for each Committees; see website for details.

Any qualified individual interested in being nominated is invited to contact his/her National Adhering Organization (NAO) and/or the current committee officers. The election will cover a two-year term that will start in 2026. Every division and standing committees have vacancies. As part of the nomination procedure, NAOs are invited to submit curriculum vitae for each nominee via the online form no later than **30 November 2024**.

In addition, Affiliate members in good standing who are current for the years 2024 and 2025 are eligible to participate in the nomination process

via self-nomination. They are eligible for Associate Members (AM) positions on Divisions and Standing Committees, irrespective of country of residence. Similarly, employees of current Company Associates are eligible for AM positions.

Elections will happen early in 2025 and the 2026–2027 memberships for all committees will be finalized during the next IUPAC General Assembly in July 2025.

Individuals interested in becoming IUPAC officers or members of the IUPAC Executive Board and Science Board should contact their NAOs. Nominations for officers have a different timeline and can only be made by an NAO. Officers elections will take place at the Council Meeting during the 2025 General Assembly in Kuala Lumpur, Malaysia.

In a concerted effort to improve membership diversity, nominations for well-qualified female chemists, early-career/“younger” chemists, and industrial chemists are encouraged. Each nomination must identify the intended Committee or Commission and must be accompanied by a curriculum vitae. Each nominee will be considered for all vacant positions unless otherwise specified. Nominations will only be accepted through the online form.

Contact information for all NAOs and division and standing committee officers is available on the IUPAC website <www.iupac.org>, or upon request at the IUPAC Secretariat; e-mail <secretariat@iupac.org>

<https://iupac.org/iupac-elections-for-the-2026-2027-term/>

InChI 1.07 available on GitHub

The latest InChI version 1.07 has been approved by IUPAC and the InChI Trust—a transformational step in our development to support the standard. Now on Github, with a standard MIT license—fully tested for back-compatibility, many bugfixes, and a foundation for future extension and maintenance.

IUPAC InChI moves to GitHub to support sustainable chemical standards development

The InChI is a widely used standard chemical identifier that enables the connection and interoperability of chemistry data across the web. The core code and development framework of the InChI has now been migrated to GitHub, providing a foundation to support future extensions of the standard and associated applications, and to broaden the expertise supporting the standard. The first milestone of this work is the 1.07

version, recently approved by IUPAC and the InChI Trust and available for download at GitHub (<https://github.com/IUPAC-InChI/InChI/releases>).

The new version can be tested with a web demo version (<https://iupac-inchi.github.io/InChI-Web-Demo/>) which allows users to draw a chemical structure and calculate the InChI; this works in the browser, so no data is shared with external servers.

Extensions to the standard are being defined, as well as applications to mixtures and reactions amongst others. For further details and more information about InChI see www.inchi-trust.org. To stay in touch with future InChI news and releases, do subscribe to the **InChI newsletter**: <https://mailchi.mp/inchi-trust/inchi-news-and-updates>.

Read full release <https://www.inchi-trust.org/iupac-inchi-moves-to-github-to-support-sustainable-chemical-standards-development/>

The International Year of Quantum Science and Technology

On 7 June 2024, the United Nations proclaimed 2025 as the International Year of Quantum Science and Technology (IYQ). According to the proclamation, this year-long, worldwide initiative will “be observed through activities at all levels aimed at increasing public awareness of the importance of quantum science and applications.”



INTERNATIONAL YEAR OF Quantum Science and Technology

The year 2025 was chosen for this International Year as it recognizes 100 years since the initial development of quantum mechanics.

Recognizing the importance of quantum science and the need for wider awareness of its past and future impact, dozens of national scientific societies gathered together to support marking 100 years of quantum mechanics with a U.N.-declared international year. The

timeline of endorsements for this international year also included the International Union of Pure and Applied Physics (IUPAP), the International Union of Pure and Applied Chemistry (IUPAC), the International Union of Crystallography (IUCr), and the International Union of History and Philosophy of Science and Technology (IUHPST).

The U.N. declaration is a signal for any individual, group, school, institution, or government to use 2025 as an opportunity to increase awareness about quantum science and technology. The IYQ Steering Committee is planning global initiatives and events, particularly those that reach audiences unaware of the importance of quantum science and technology. As 2025 approaches, the website quantum2025.org will spotlight events, resources, and activities focused on quantum science.

Looking forward, quantum science and technology will be a key cross-cutting scientific field of the 21st century, having a tremendous impact on critical societal challenges highlighted by the U.N.'s 2030 Sustainable Development Goals, including climate, energy, food safety and security, and clean water. The most important step in finding new insights and new solutions will be inspiring young people, drawn from all over the world, to be the next generation of quantum pioneers who see beyond the surfaces and screens around them and use quantum science to make a positive difference in the lives of others. This International Year is an opportunity for young people—and curious people of any age—to learn more about all the ways quantum science underpins the physical world around us, drives technological innovation, affects government policies, impacts the global economy, and influences art and culture.

“Chemical bonding and reactivity are fundamentally quantum, which is why we at IUPAC are excited to be part of Quantum Science and Technology,” say Javier Garcia Martinez, IUPAC Past President. “This global initiative brings together scientists from many disciplines and offers an incredible opportunity to deepen our understanding of the fundamentals of the molecular sciences and to imagine together the solutions we urgently need to address the most pressing challenges of our time. This is happening as we celebrate the International Decade of Science for Sustainable Development, which provides another unique opportunity for humanity to advance and harness science in the pursuit of sustainable development holistically and collaboratively.”