



**PUBLISHING  
CONTRIBUTIONS  
IN LIFE  
SCIENCES  
INNOVATION**

**COPYRIGHT, LICENSING &  
STANDARDS EXPERTISE**

# VALUE ADD TO SCIENTIFIC RESEARCH CONTENT

- Journal articles themselves highly standardized
- Standards adopted for online environment
  - Terminology & taxonomies; representations of chemical structures, formulas
- Large & complex environment– 3m articles published p.a. by more than 2k publishers
  - Variety of publishers and business models including Gold OA (author pays)

The screenshot displays the IUPAC website interface. At the top, the IUPAC logo and full name 'INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY' are visible. Navigation buttons for 'CONTACT', 'JOIN', 'LOGIN', 'SHOP', and 'IYPT 2019' are present. A menu bar includes 'WHO WE ARE', 'WHAT WE DO', 'EVENTS', 'PROJECTS', and 'NEWS'. The main content area features a 'RECENT POSTS' section with links to various articles, including 'Funding Science for Global Sustainability' and 'METROLOGICAL AND QUALITY CONCEPTS IN ANALYTICAL CHEMISTRY'. The selected article is dated 10 August 2020 and includes social media sharing icons. A 'CATEGORIES' sidebar lists 'FOR PUBLIC REVIEW', 'UPCOMING DEADLINES', 'AWARDS & PRIZES', and 'GRANTS'. The article text discusses metrology's role in analytical chemistry and mentions the International Vocabulary of Metrology (VIM).

# DATA AS THE NEW CURRENCY

- STM publishers established collective TDM processes 2013
  - CrossRef/Copyright Clearance Center
- STM publishers supporting Covid-19 research (150m downloads)
- Life sciences solutions for drug development/reactions (publishers & technology companies)
- Expanding data curation practices from articles and patents to raw research data
- STM publishers working with Research Data Alliance
  - Building on publisher and scholarly initiatives such as figshare, Mendeley, protocols.io (methods)

