

**MINUTES**  
**IUPAC Division VI Chemistry and the Environment Virtual Conference Call**  
**Tuesday, July 27, 2021 - 12:00 noon – 2:00 pm GMT**

**Present (20 in total)**

1. Hemda Garelick - UK– Division President
2. Roberto Terzano - Italy - Division Vice President
3. Annemieke Farenhorst – Canada – Division Secretary
4. Rai Kookana – Australia – Division Past President
5. Laura McConnell – USA - Emeritus Member
6. Fani Sakellariadou – Greece - Titular Member and Division Project Coordinator
7. Doo Soo Chung – South Korea - Titular Member
8. Petr Fedotov - Russia - Titular Member
9. Bradley Miller – USA – Titular Member
10. Diane Purchase – UK - Titular Member
11. Vladimir Beskoski – Serbia - National Representative
12. Yehuda Shevah - Israel - National Representative
13. Joon Ching Juan – Malesia – National Representative
14. Christina Delerue-Matos – Portugal - National Representative
15. Bülent Mertoglu- Turkey - National Representative
16. Nadia Kandile – Egypt – Associate Member
17. Bipul Behari Saha – India – Associate Member
18. Weiping Wu – China– Project Lead
19. Gabriele Manca – Italy – Young Observer
20. Elisa Carignani – Italy – Young Observer

**In Lieu of Regrets:** Weiguo Song (Titular Members); Michal Galambos, Oluseun Popoola, Tiina Sikanen, Monthip Sriratana (National Representatives); Yong-Chien Ling, Irina Perminova, John B. Unsworth, Baoshan Xing (Associate Members).

**AGENDA**

**1. Welcome and Introductions**

On behalf of Division President, Roberto Terzano welcomed the Division VI members on the call and each of the Division VI members introduced themselves. The two young observers on the call also introduced themselves.

**2. Approval of the Minutes: Division VI Meeting March 2021 (see attached file: IUPAC Div VI March 22 2021 Minutes.pdf)**

The Minutes of the Division VI Meeting dated March 22 2021 were approved as circulated.

Annemieke Farenhorst recaptured the action items noted in the minutes. All action items were reported to having been taken care of, except the following that are pending:

- **Action item:** Hemda Garelick and Petr Fedotov to look into impact factors, for example as it applies to Pure and Applied Chemistry.
- The initial action item was for Roberto Terzano to allow for the posting of a few selected publications to be featured on the Subcommittee or Advisory committee pages of the Division VI website. However, it was decided that there needs to be further discussion to whether we want to move in that direction and, if so, what would be the criteria to select the articles. **Revised Action item:** For the Division VI President to lead a discussion whether we want to feature selective publications on the Subcommittee or Advisory committee pages. This could be a separate agenda item in a forthcoming Division VI meeting in 2021 or 2022.
- **Action item:** Nadia Kandile to provide for an update on her project idea on *“Sustainable and green solutions for COVID-19 pandemic plastic wastes management to reduce risks of planetary boundary threat”* to Division VI members. Although Nadia Kandile was on the meeting call, there were sound issues preventing her to provide for an update. It is possible that this project evolved into an interdivisional project.
- **Action item:** Irina Perminova to send her project idea on *“Chemical definition of humic substances”* to Division VI members.

### 3. **Election Process Update (see attached file: Proposed Committee\_Div\_VI\_next binneium.pptx)**

Rai Kookana provided a detailed overview of the recent election results as it applies to IUPAC Division VI.

Overall, 22 nominations were received and a committee assisted with the process of evaluating the nominations. The membership list as finalized by the committee is subject to approval by IUPAC Council (pending).

Following approval, the Division VI membership will include 12 women and 14 men. Out of the 26 members listed, nine are new members. Three out of the four Division VI Officers are women. The regions that are represented include Europe (10), Asia (6), North America (5), Middle East/Africa (2), Oceania (2) and South America (1). There was also a recommendation and approval at the meeting for two Emeritus Fellows : Dr Yehuda Shevah and Dr John Unsworth.

### 4. **Temporary Policy Change: Conference Registration Payments**

IUPAC has implemented a temporary policy so that conference registrations can now be paid from project funds as long as it has been preapproved by the Secretary General. Division VI members can directly contact Hemda Garelick for further information or to request approval by the Secretary General.

Furthermore, there was a consensus among the Division VI members on the call that the budget of a newly approved project needs to be increased. This would allow Symposia organizers, and possibly other Division VI members in need, to have their registration fees for the 2021 IUPAC World Chemistry Congress to be fully covered. This already approved project, led by Diane Purchase, is entitled *“Development of*

*four Environmental Chemistry and Sustainability symposia for the ‘Chemistry for Sustainability’ thematic programme in 48<sup>th</sup> World Chemistry Congress, Montreal, 2021”.*

Regarding the “possibly other Division VI members in need”, it was further agreed that a small committee will need to be formed to decide on the criteria used to select which Division VI members will qualify to have their registration fees being supported. It was decided that the members of the small committee are Diane Purchase, Joon Ching Juan, Laura McConnell and Annemieke Farenhorst.

## 5. Division Projects

### 5.1. Current Projects

Fani Sakellariadou informed Division members on the status of current projects as of July 20, 2021.

The table below provides for a general overview as prepared by Fani Sakellariadou.

Project Number	Planned end date	Status
2013-029-2-600 Kleter	30/9/2022	On-going
2014-026-3-600 Obare	31/12/2021	On-going
2014-031-3-600 Purchase	31/12/2021	On-going
2014-032-1-600 Karpouzas	31/12/2021	On-going Preparation of final deliverables.
2015-056-3-600 Kalderis	31/12/2020	Project completed 2 <sup>nd</sup> round of review
2016-016-2-600 & 2019-010-1-600 ( <i>supplement</i> ) Kookana	30/6/2022	On-going
2016-047-1-600 & 2018-035-1-600 ( <i>extended</i> ) Xing	30/12/2021	On-going
2017-013-1-600 Racke	31/12/2021	Harmonization award
2017-035-2-600 Kookana	30/6/2022	On-going
2018-013-2-600 Shevah		On-going
2018-014-1-600 Gubala	31/12/2021	On-going
2018-039-3-600 Sakellariadou	30/6/2022	On-going
2019-026-2-600 Wu	31/12/2022	On-going
2019-029-1-600 Miller	31/12/2022	On-going
2020-020-2-600 Guidotti	31/12/2023	On-going

### 5.2. Potential New Projects

Weiping Wu was asked whether a discussion on the sorption of chemicals by microplastics can be integrated into the current project (2019-026-2-600 Wu), or whether it is better to develop this as a stand-alone project. Weiping Wu indicated that it was better to develop chemical sorption by microplastics as a stand-alone project.

Hemda Garelick asked for an update on a potential new project that was previously discussed and focused on International Equipment Sharing Networks. None of the

Division VI members has an update to report but there was a suggestion for Nadia Kandile and/or Joon Ching Juan to further discuss this with CHEMRAWN.

Another project that perhaps requires attention is entitled "Green Chemistry in Sub-Saharan Africa". There was the suggestion for Nadia Kandile to provide for an update on this project by sending an email to Annemieke Farenhorst.

Hemda Garelick reminded Division VI members that there is a positive balance of \$26,000 to allocate to new projects. Various potential new projects were mentioned. If possible, new project proposals should be developed for approval at the August meeting. However, if this timeline cannot be met, project proposals can be developed after the August meeting. Instead, the August meeting can be used to further explore the interest of Division VI members in joining potential new projects that can be put forward.

Diane Purchase indicated that she is planning to send an email to seek interest in a project she likes to develop for encouraging the participation of young scientists in Division VI activities.

### **5.3. Revision of the Gold Book**

Hemda Garelick indicated that it might be important to have a Division VI member added to the initial (2021) membership or actual Subcommittee tasked with proceeding with the Revision of the Gold Book.

Laura McConnell indicated that such participation means a commitment to be able to devote sufficient time to the project.

Hemda Garelick will follow up with Petr Fedotov who was in the meeting but had to leave prior to agenda item 5.3 to attend to other matters.

### **5.4. Additional Measures to Show the Impact of Division VI projects**

There was a general discussion about the impact of Division VI projects. Diane Purchase provided for an example that showed the major impact that the e-waste project has made.

It was noted that the Impact Factor of IUPAC's official journal Pure and Applied Chemistry (PAC) appears to substantially fluctuate from year to year, for example 1.919 in 2019 and 2.453 in 2020. Laura McConnell suggested that Hemda Garelick might want to contact Fabián Benzo to talk about Impact Factors as it relates to PAC.

It was also mentioned that Impact Factors have limitations and that some national funding agencies have moved away from considering Impact Factors in any decision-making processes surrounding proposal evaluations.

## **6. Advisory Committee, Subcommittee, and Interdivisional Committee Activities**

Hemda Garelick asked Division VI members whether the following leads (in bold) are still correct which appeared to be the case: The Advisory Committee on Crop Protection Chemistry (**Laura McConnell**), the Subcommittee on Chemical and

Biophysical Processes in the Environment (**Diane Purchase**), CHEMWRAN (**Nadia Kandile**), COCI (**Bipul Saha**), CCE (**Doo Soo Chung**), ICGCSD (**Nadia Kandile**), Interdivisional Committee on Terminology, Nomenclature and Symbols (**Petr Fedotov**), and Pure and Applied Chemistry Editorial Advisory Board (**Yehuda Shevah**). Bipul Saha provided for an update on activities that he led or was involved in, which include:

- The development of strong collaborations among IUPAC, the Indian Chemical Council, the Association of Chemistry Teachers of India, and the Indian Chemical Society. This included arranging webinars for which Professor Chris Brett and Dr. Klaus Kümmeler were speakers.
- Progress towards collaborations between IUAPC Division VI and IUPAC COCI Safety Training Program, including an upcoming virtual call with Fabián Benzo.
- The editorial of Bipul Saha and his team on "Systems Thinking in Chemistry" was published by the Journal of Chemical Education (ACS).

#### 7. **Division VI Meeting on August 11, 2021**

The next Division VI meeting will take place on August 11, 2021 in conjunction with the IUPAC2021 General Assembly and World Conference of Montreal. Hemda Garelick asked members for suggestions for agenda items. Some ideas included the following:

- Young observers should be encouraged to participate in the meeting.
- Given that young observers are present, and that it would be helpful to Division VI members as well, agenda items could include information on how project in our division should be prepared and developed. This could cover what would be typically considered topics of interest, but also which projects are under development or ongoing. As well, how can we include young observers.
- A slide show showing photos of Division VI members at previous meetings. Laura McConnell agreed to serve as the central point for collecting the photos, and put the slides show together if sufficient photos arise.
- Given that it is the Division's 25<sup>th</sup> anniversary, Division VI members could put forward the titles of the most favorite IUPAC projects they have worked on, or the publications that have arisen from them. Of these, we could select 25 projects and feature these at the August meeting. Diane Purchase agreed to serve as the central point for collecting the titles, and further develop it if a sufficient number of project titles are put forward.
- We could also show the involvement of Division VI members in large IUPAC initiatives such as the Global Women's Breakfast <https://youtu.be/47dfcW15RzA>

#### 8. **Other Items or New Business (Angkor Wat 2022 Flyer.pdf)**

Division VI members were reminded to complete the Biosketch survey that is meant to better understand the affiliations and expertise of our membership. It was noted that it would only take about 5-10 minutes to complete. The link to the Biosketch survey can be found here:

- <https://www.surveymonkey.com/r/85F2LMH>

It was indicated that we are still planning for a face-to-face Division VI meeting in Angkor Wat. This will be in conjunction with the APCE & CECE & ITP 2022 in November 6-10, 2022.

Division VI members are encouraged to send the names of young observers to Hemda Garelick.

**9. Adjournment**

Hemda Garelick adjourned the meeting.