



VYA Bulletin 2025

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1. Highlight

1.1. Meeting of National Young Academics from the Asia-Pacific Region



Picture 1: 1st and 4th position from the right: VYA co-chairs Drs Duc Hoang and Hong Nhung Nguyen respectively

Following the success of the first Asia-Pacific National Young Academies (NYAs) meeting during the INYAS Mid-Year Meeting in September 2024, this meeting aims to consolidate and strengthen collaborative efforts and advance the discussions. The focus will be on fostering scientific temperament in the region through structured partnerships and identifying actionable initiatives to enhance the collective impact of the Asia-Pacific NYAs.

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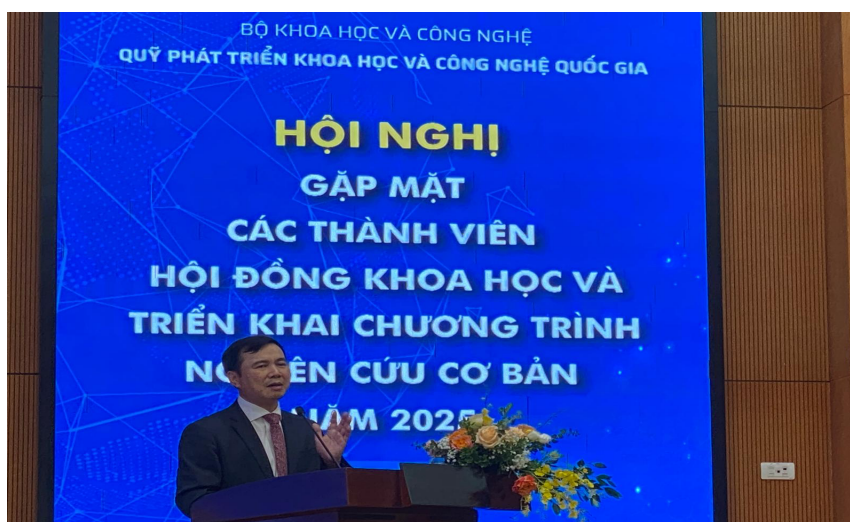
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Picture 2: VYA co-chair Hong Nhung Nguyen discussed at the meeting

1.2. Meeting of National Fund for Science and Technology Development (Nafosted)

Prof. Nguyen TK Thanh was very pleased to attend the Meeting with Members of the Scientific Council and Deployment the Basic Research Program 2025 of the National Fund for Science and Technology Development (Nafosted) with a contribution of as a member of the Scientific Council for Basic Research in the field of CHEMISTRY.

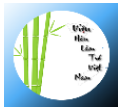


Picture 3: Chairman of the Board of Management of the Fund – Deputy Minister Bui The Duy was speaking

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1.3. New committee:



DR CONG MINH – TRAN
CO-CHAIR
Minh C. Tran studied BioEngineering and focused on Biomedical Engineering...




DR HONG NHUNG NGUYEN
CO-CHAIR
VYA member: 2022 – now.
 



HOANG DUC
Dr. Duc Hoang is a Research Fellow at RMIT University...



DR HUAN DOAN
OPERATION-COMMITTEE
VYA member: 2021 – now.




DR TRI DANG NGUYEN
OPERATION-COMMITTEE
VYA member: 2021 – now.




DR TRAN THI NHU HOA
OPERATION-COMMITTEE
VYA member: 2022 – now.


Our new committee member, link to find out more: [link](#)

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2. VYA community news

2.1 New member of GYA

Congratulations for Dr Duc Hoang for being selected to member of Global Young Academy

2.2 Member of NAFOSTED

Professor Nguyen TK Thanh was appointed as a member of Scientific Council for Basic Research, National Foundation for Science and Technology Development (NAFOSTED), Vietnam Ministry of Science and Technology (MOST) (2025 – present)

2.3 Invited talks at Conferences

Prof Nguyen Thanh has been invited to give the following talks

Invited talk at MRS SB05 Emerging Bioresponsive Nanomaterials for Theranostics. Multifunctional Nanocarriers for Biomedicine Section, Seattle, USA, April 2025

Invited talk at MRS SB05 Emerging Bioresponsive Nanomaterials for Theranostics. Transformative Nanomedicine section, Seattle, USA, April 2025

Plenary talk at RSC Bioorthogonal and Bioresponsive Conference 2025, Edinburgh, UK, Jun 2025

Plenary talk International Conference on Green Materials and Manufacturing Technology (GMMT 2025), Cambridge, UK (online), Jun 2025

Keynote talk at IUPAC 2024 50th World Chemistry Congress, Kuala Lumpur, Malaysia, Jul 2025

Cambridge University Scientific Society, University of Cambridge, UK, Mar 2025

Particle Engineering Centre, Department of Chemical Engineering, Norwegian University of Science and Technology (NTNU), Trondheim, Norway, Jun 2025

Especially Prof Thanh gave one of her a Royal Society of Chemistry Interdisciplinary Prize lectures at School of Natural and Environmental Sciences, University of Newcastle Department of Chemistry, Newcastle University, UK, Jun 2025

2.4. Member Publications

1. **Anh-Duc Hoang**, Evaluating Bibliometrics Reviews: A Practical Guide for Peer Review and Critical Reading Evaluation Review (Q1). DOI: <https://doi.org/10.1177/0193841X2513368>

2. **Hong Nhung Nguyen**, Yong-Hwa Kim, GAN-based Driver's Head Motion using Millimeter-Wave Radar Sensor, IEEE Access (Q1) DOI: [10.1109/ACCESS.2025.3582079](https://doi.org/10.1109/ACCESS.2025.3582079)

3. Begin, S., Laurent, S., Pelegino, T., **Thanh, N. T. K.*** (2025) Challenges in Theranostic Nanoplatfroms for Biomedicine. Editorial for Theranostic nanoplatfroms for biomedicine theme issue. Nanoscale. *In press*.

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4. Francesco Rossi,, Stati, G., Trakoolwilaiwan, T., **Thanh, N. K. T.**, Sancilio, S., Pietro, R. D. (2025) Preliminary study on Ex vivo efficacy of curcumin-silver nanoparticles as a treatment of human pterygium-derived keratinocytes. *Inorganica Chimica Acta*. **587**: 122828. Gold Open Access.
5. Adhikari, S., Johnson, R. D., Manuel, P., Lari, L., Tung, L. D., Lazarov, V. K. and **Thanh, N. T. K.** * (2025) CoO-CoFe₂O₄ Core-Shell Nanoparticles with Colossal Exchange Bias. *Nanoscale Horizons*. DOI: 10.1039/D5NH00118H. Gold Open Access.
6. Sergides, A., Amiens, C., Gómez-Graña, S., Makridis, A., Storozhuk, L., Mourdikoudis, S. and **Thanh, N. T. K.*** (2025). A parametric study on CoFe-based ferrite and alloy nanoparticle synthesis. *Nanoscale*. Gold Open Access . INSIDE FRONT COVER. 10.1039/D5NR01089F
7. Pal, S., Gkogkos, G., Piovesan, J., Whiteley, Z., Besenhard, M. O., Storozhuk, L., Lees, M. R., MacRobert, A. J., Craig, D. Q. M., **Thanh, N. T. K.**, Murray S., and Gavriilidis, A. (2025) Multistep non-fouling continuous flow synthesis of PEG-functionalised biocompatible iron oxide nanoparticles for magnetic hyperthermia, photothermal heating and antifungal activity. *Journal of Flow Chemistry*. Gold Open Access.
8. Raie, D. S., Tsonas, I., Mourdikoudis, S., Delli, E., Makridis, A., Ciric, L., and **Thanh, N. T. K.** * (2025). Protection of *Shewanella oneidensis* MR-1 by Manganese Ferrite during Chromate Bio-reduction. *Environmental Science: Nano*. **12**: 3035-3046. Gold Open Access. INSIDE FRONT COVER.
9. Sebek, M., Wu, G., Wang, Z., Sullivan, M., Seng, D. H. L., Su, X. D., **Thanh, N. T. K.*** and Teng, J. H. (2025) Greatly enhanced radiative recombination at high exciton density in acid-treated 2D alloy. *ACS Applied Materials & Interfaces*. **17**: 26845-26853.
10. Ioannidis, K., Dimopoulos, A., Decoene, I., Guilliams, M., Svitina, H., Storozhuk, Oliveira-Silva, R., Basov, S., **Thanh, N. T. K.**, Mourdikoudis, S., Van Bael, M. J., Smeets, B., Sakellariou, D., and Papantoniou, I. (2025) 4D biofabrication of magnetically augmented callus assembloid implants enables rapid endochondral ossification via activation of mechanosensitive pathways. *Advanced Science*. **12**: 2413680. Gold Open Access.
11. Naylor-Adamson, L., Price, T. W., Booth Z., Leonard, S. V. L., Gallo, J., Tung, L. D., Smith, S. H., **Thanh, N. T. K.**, Aslam, Z., Allsup, D., Hondow, N., Chamberlain, T., Schneider, J. E., Naseem, K., Bouillard, J. S., Stasiuk, G. J., and Calaminus, S. D. J. (2025) PEGylation of Indium Phosphide Quantum Dots Prevents Quantum Dot mediated Platelet Activation. *Journal of Material Chemistry B*. **13**: 1052-1063. Gold Open Access.

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2.1. Call for new member Applications

We are inviting high-quality applicants to join VYA follow the link here to complete the [form](#). The application form and guidelines are available on our VYA website. Please contact Dr. Duc Hoang (email: ducha.hoang@gmail.com) and Prof. Nguyễn T. K. Thanh (email: ntk.thanh@ucl.ac.uk) for more details.

2.2. Update your information

We have recently updated our database. Could you please complete the form here to update your profile on our database?

<https://forms.gle/5vHqLEWvE76fVLkV6>

2.3. New on Global Young Academy

Here is a concise summary of the Global Young Academy (GYA):

- Vision: Empower early-career scientists to improve societies through research and innovation.
- Mission: Foster interdisciplinary collaboration, create global platforms for scientific exchange, and shape science policy.
- Members: 200 diverse scientists from around the world, selected for excellence.
- Key Focus Areas: Science education, societal impact, open science, and international engagement.
- Activities: Annual meetings, science-policy workshops, and mentorship programs.

For more information, visit their website: [Global Young Academy]

(<https://globalyoungacademy.net>).

The activities of the Global Young Academy (GYA) include:

- Annual General Meeting: Brings together members for networking and collaboration.
- Science-Policy Workshops: Engage policymakers and scientists to influence global science policies.
- Mentorship Programs: Support early-career scientists through mentoring.
- Science Communication: Improve public understanding of science through outreach.
- Interdisciplinary Projects: Foster collaboration across disciplines on global issues.
- Open Science Initiatives: Promote access to research and data.

For more details, visit their (<https://globalyoungacademy.net>).

2.4. VYA 2025 Webinar

2.5. News from our community

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3. Funding opportunities

The UK Research and Innovation (UKRI) website provides multiple funding opportunities related to low- and middle-income countries. You can find both open and upcoming opportunities for research in global health, policy-making, and other areas. These are offered by councils like the Economic and Social Research Council (ESRC) and the Medical Research Council (MRC). Funding options range from grants to partnerships aimed at addressing global challenges.

To view more details, visit: UKRI funding opportunities.

https://www.ukri.org/opportunity/?keywords=low+middle+income&filter_status%5B%5D=open&filter_status%5B%5D=upcoming&filter_order=publication_date&filter_submitted=true

INGSA-Asia Science Advice Workshop Grants - Applications Open 1st July 2025

ASIA: The collaboration between INGS-Asia and the ISC-Regional Focal Point for Asia and the Pacific continues this year enabling a new round of workshop grants to INGS-Asia members looking to raise science advice capacity in the region.

This marks an expansion of the existing Grassroots Science Advice Promotion Awards, which will include a rebrand of the programme and more opportunities for INGS-Asia members.

To view more details, visit: INGS funding opportunities.

<https://council.science/our-work/ingsa-asia-science-advice-workshops/>

The intention of the Writing Workshops is to cultivate professional networks and mentorship and provide access for early career researchers in developing countries to the academic requirements of journals, including international journals, and to equip them with the necessary knowledge and skills to publish in these journals.

The British Academy is inviting proposals for Writing Workshops in Brazil, Egypt, Indonesia, Jordan, Kenya, Malaysia, Philippines, South Africa, Turkey, Thailand, Vietnam and/or Least Developed Countries. These workshops should aim to develop the skills of early career researchers, including supporting and promoting the uptake of their research in journals and publication

Link detail: <https://www.thebritishacademy.ac.uk/funding/writing-workshops/>

Lund University is currently seeking assistant professors and visiting professors. Welcome to join a world-class university dedicated to understanding, explaining, and improving our world and the human condition

Link detail: <https://www.lunduniversity.lu.se/shape-future-research>

Karolinska Institutet is a world-leading medical university with a long and proud history of ground-breaking research. We are now recruiting outstanding early-career researchers with particularly excellent scientific merits and future potential. We are looking for inspiring, curious and creative candidates to start their career as Assistant Professor with us in several subject areas.

Link detail: <https://ki.se/en/about-ki/jobs-at-ki/join-a-global-community-of-excellence>

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Linkedin: <https://www.linkedin.com/in/vietnamyoungacademy/>

Facebook: <https://www.facebook.com/groups/532667241177527>

Follow us for more information about the Academy.

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