

## The 8<sup>th</sup> Hanwha Non-tenured Faculty Award (2023)

The Hanwha Group<sup>1</sup> is pleased to announce the **8th Hanwha Non-tenured Faculty Award**. To demonstrate Hanwha's commitments to promote cutting-edge research and innovation in **Materials Chemistry & Processing**, this award will support the career development of non-tenured young faculty particularly in the following areas.

- Polymer composite materials (Aerospace, Electric vehicle, UAM (PAV,AAM) application)
- Composite material design & properties prediction
- Chemical engineering process (Reaction engineering, modeling, simulation, etc.)
- Catalysts (Synthesis, kinetics, deactivation, etc.),
- Advanced polymerization technology (Block Copolymer, Chain transfer polymerization, Radical polymerization)
- Carbon Capture and Utilization (CCU) technology (CO2 reduction Technology)
- Biopolymers and biodegradable polymers (White biotechnology)
- Biomolecular simulation/engineering, Bio-process modeling,
- Plastic recycling technology
- Electrochemical process & catalysts
- Green chemistry, Biofoundry, Green hydrogen production technology
- Computational chemistry
- Foodtech
- Li-ion battery separators (multifunctional, stable and safe)

### Award

- **Eligibility:** Non-tenured faculty with Korean heritage in North America, Europe working in the chemistry, chemical engineering, Materials science and engineering and other related disciplines.<sup>2,3</sup>
- **No. of Awards:** 3~4 Awards
- **Award amount:** \$12,000 as an unrestricted gift funding
- The awardee required to deliver a seminar at "**Hanwha Non-tenured faculty Award Ceremony**" in the summer of 2023 on Hanwha TotalEnergies Daesan site (Seosan-Si, ChungNam, Korea).

### Application Package

- Short Bio-sketch including a comprehensive list of publications
- Summary of research interest (max 1 page)
- Descriptions of research interest (max 5 pages)
- Application package must be submitted as a single word document file.

### Timeline

- Submit your package to [taehee.lee@htpchem.com](mailto:taehee.lee@htpchem.com) by **March 24, 2023**
- Announce the Awardees by **April, 2023**
- The 8th Hanwha Non-tenured Faculty Award (tentatively scheduled on **June 8, 2023**)

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<sup>1</sup> Hanwha Solutions Chemical Division, Hanwha Solutions Advanced Materials Division, Hanwha TotalEnergies Petrochemical Corp.

<sup>2</sup> The non-tenured faculty in his/her 3<sup>rd</sup> – 5<sup>th</sup> years as a faculty are particularly encouraged to submit the application package for the consideration.

<sup>3</sup> We encourage you to submit the application package again, even if the non-tenured faculty had applied before.