

The 9 th Hanwha Non tenured Faculty Award (2024)

The Hanwha Group¹ is pleased to announce the 9th 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.

- In the fields of composite materials development and molding technology for electric vehicles, aerospace(including AAM, drone), and robotics parts
 - : Innovative research and development achievements
 - : Overcoming technological hurdles in the industry
 - : Research and development aligned with industrial needs(productivity improvement, cost reduction, quality enhancement, sustainability)
 - : Lead research and development for innovation that respond to industrial needs
- Chemical engineering process(reaction engineering, modeling, simulation, etc.)
- Catalysts (synthesis, kinetics, deactivation, etc.),
- Water Electrolysis, Electrochemical Process & Catalysts
- Carbon Capture and Utilization (CCU) technology (CO₂ reduction technology, hydrocarbon, aromatics, etc.)
- Bio molecular simulation/ engineering, Bio-Engineering
- Computational chemistry & AI/Machine Learning application in chemical engineering Electrochemical process & catalysts
- Electronic Materials
- Advanced Polymer Technology(polymerization catalyst, block copolymer, radical polymerization, advanced composite materials, polyolefin product/process, catalytic upcycling of polyolefin)
- Green Energy Technology(hydrogen, ammonia, methanol, etc.)
- Sustainable Technology(bio-polymers, plastic recycling)
- Li-ion battery materials(separator, binder, electrolyte, coating materials)

Award

- Eligibility : Non-tenured faculty with Korean heritage in North America and Europe, working in the chemistry, chemical engineering, materials science and engineering and other related disciplines.^{2,3}
- No. of Awards : 3 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 2024 on Hanwha Advanced Materials Sejong site (Sejong-si, 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 wlwjdgjs@hanwha.com by March 31, 2024
- Announce the Awardees by April, 2024
- The 9 th Hanwha Non tenured Faculty Award (tentatively scheduled on June 13, 2024)

¹ Hanwha Solutions Chemical Division, Hanwha Solutions Advanced Materials Division, Hanwha TotalEnergies Petrochemical Corp.

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

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