

## PROFILE



### Korea Research Institute of Chemical Technology

Chemistry for Us, Chemistry for Earth

- ✓ Semiconductor and Display
- ✓ Secondary Battery
- ✓ Advanced Biotechnology
- ✓ Hydrogen
- ✓ Artificial Intelligence (AI)



Website QR

## Information

|                                 |                                                                                                                                                                                                                                      |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Main Contact</b>             | +82-42-860-7114                                                                                                                                                                                                                      |
| <b>Website</b>                  | <a href="https://www.krict.re.kr/">https://www.krict.re.kr/</a>                                                                                                                                                                      |
| <b>Purpose of Establishment</b> | To reinforce the competitiveness of chemical industries and contribute to the resolution of national and social problems by performing R&D in chemical and convergence technologies and providing public infrastructure and services |
| <b>Main Responsibilities</b>    | Increasing competitiveness of chemical industry and contribute to solve national and societal challenges through R&D in chemistry and convergence technologies                                                                       |
| <b>Planned Recruitment</b>      | 10 positions (subject to change)                                                                                                                                                                                                     |

## Contact

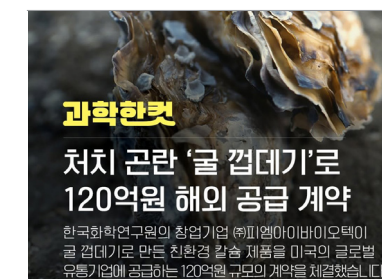
|  |                   |                                                              |
|--|-------------------|--------------------------------------------------------------|
|  | <b>Department</b> | Office of Human Resources Development                        |
|  | <b>Phone</b>      | +82-42-860-7971                                              |
|  | <b>E-mail</b>     | <a href="mailto:recruit@krict.re.kr">recruit@krict.re.kr</a> |



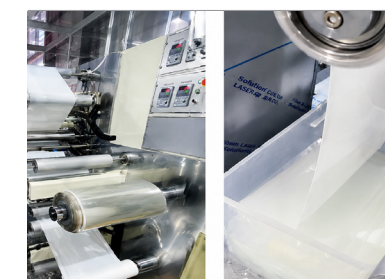
## Key Achievements



Development of Inkjet-Based Perovskite Solar Cell Commercialization Technology



Development of Eco-friendly Manufacturing Technology for Calcium Compounds Recycled from Oyster Shells



Development of Large-Area Membrane Fabrication and Module Technology for Virus Removal

## Research & Project List

### Environmentally Friendly Chemical Process Technology

Develop eco-friendly chemical processes to maximize the greenhouse gases & underutilized resources, and create energy-saving methods for base chemicals to achieve carbon neutrality

### High Value-added Chemical Materials

Develop key chemical materials to boost our nation's global competitiveness in semiconductor, display, energy, sensor, and environmental technologies

### Innovative Drug Discovery and Biotechnology

Develop industry-leading fine chemical material and waste-reducing bio plastic production technology

### Bio-based Chemical and Green Fine Chemical Materials

Develop industry-leading fine chemical material and waste-reducing bio plastic production technology

### Chemical Platform Infrastructure

Develop data-based chemical research platforms for materials and drugs, provide chemical analysis services, and research chemical safety and evaluation

### Secondary Batteries

Lead the next-generation secondary battery tech., featuring energy density, ultra-light weight, and high safety

### CCU (Carbon Capture and Utilization)

Develop CFE-based CCU technologies and a modular process for commercialization