

Dr. Jong-il Choi

Professor

Department of Biotechnology and Bioengineering

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Jong-il CHOI, biochemical engineer, got a Ph.D. degree at Department of Chemical Engineering, Korea Advanced Institute of Science and Technology, Daejeon, South Korea in 1999. He worked as Postdoctoral fellowship at University of Minnesota in 2000-2001. Since 2013, he has been working at Department of Biotechnology and Bioengineering, Chonnam National University, Gwangju, South Korea. His major research topics includes Strain development by radiation breeding and systems biology approach, Investigation on the biological active compounds from algae, and Study on the biological affect under extreme environment. Also, he is interested in the structural modification of biomaterials for the enhanced biological activities. Now he has published more than 90 international papers.

1. Education

Ph.D : Korea Advanced Institute of Science and Technology, Department of Chemical Engineering. (1995.3 – 1999.8.20)

Thesis : Development of recombinant *Escherichia coli* strain and the process for the production of poly(3-hydroxyalkanoate)

Master : Korea Advanced Institute of Science and Technology, Department of Chemical Engineering. (1993.3 – 1995.2.17)

Thesis : Purification of lactic acid using solid catalyzed reaction

Bachelor: Chung Ang University, Department of Chemical Engineering. (1989.3 – 1993.2.19)

2. Research Carrier

2016.8– Present: Vice Dean, College of Engineering, Chonnam National University

2013.2 – Present: Professor, Chonnam National University

2016.12– 2013.2: Senior Scientist, Korea Atomic Energy Research Institute

2014.6– 2016.12: Senior Scientist, CJ Corp. BioCenter.

3. Research Achievement

Research Paper (SCI/SCIE Journal) : 99 papers

Book Chapter : 4

Research Paper (Korean Journal) : 78 papers

Patent Registered : 58

4. Research Topic

- Investigation on the biological active compounds from algae
- Strain development by mutant breeding and systems-biology approach
- Study on the biological affect under extreme environment