



## **Prof. Jei-Pil Wang**

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**Prof. Jei-Pil Wang** is a full-time professor of metallurgical engineering at the Pukyong National University and Dean of the College of engineering. Professor Jei-Pil Wang received Master and Ph.D. in Department of Metallurgical Engineering from University of Utah in 2009. Later, he joined the LS-Nikko copper smelter and became a manager. He is now serving as a vice president of academic affairs at the Korean Solar Energy Society, and is an editorial director of the Korean Institute of Resources Recycling, and an executive member of the Korean Institute of Metals and Materials. He is also a non-executive director of the Korea Gas Technology Corporation.

As a research manager, more than five national R&D projects are carried out every year, and innovative research results are drawn by conducting research in the fields of renewable energy, recycling, and alloy design. In addition, he is leading related research fields through innovative research promotion through continuous commissioned research projects. Research on recovery of lithium and valuable resources in spent secondary batteries, manufacturing cast iron from copper smelting slag and using it, research on manufacturing high-purity zinc and zinc oxide from zinc scrap, recovery, concentration, and high purity of valuable metals for process by-products and waste resources generated at home and abroad, such as Si and Ag in solar waste panels and recovery technology of valuable metals, are being conducted. Based on these research results, research on the utilization of smelting and refining additives is being promoted by utilizing waste refractories that are currently being disposed of and buried due to the absence of treatment technology. Based on various national research and development achievements and the professor's outstanding capabilities, a total of 135 papers have been written so far, and 60 SCI-level papers, 52 SCOPUS papers, and 23 KCI papers have been submitted. After used various waste resource recycling patents such as secondary batteries and zinc scrap were applied and registered. He won various awards in recognition of the excellence of research results.