



TÜBİTAK 2244 – Industrial PhD Programme

Sabancı University Nanotechnology Research and Application Center – TOYO INK

Throughout the program, the student will be guided by both Academic Advisors from SUNUM and an Industry Advisor from TOYO Ink

Academic Advisors: Catherine Hirel Aslan/ Serap Hayat Soytaş

Sabancı University PhD Programmes:

- Materials Science and Nano Engineering
- Manufacturing Engineering

Special application requirements for SUNUM-TOYO INK:

Motivated PhD Candidate shall have research interests and/or possess a reasonable understanding of in one or more of the following fields:

- Polymer technology
- Coating techniques
- Metal food packaging
- Surface characterization

[TOYO Ink Turkey](#)

Toyo Ink is a Japanese multinational company founded in 1896 which operate in 23 countries and 8,246 employees.

Toyo Ink Turkey, a manufacturer of printing inks and functional coatings, is based in Manisa Industrial Zone. Amongst the Toyo products - the metal packaging line consisting of products aimed at decorative-purpose covering and conservation of all kind of packages from tin cans to bottle caps, hair dye tubes to oil cans are that will provide the best solution to the needs of the packaging industry.

Interest in low energy curing UV products increased in recent years due to the importance of environmental factors, their energy efficiency and user-friendliness. UV curing systems

contribute to working in a cleaner and healthier environment as they do not contain solvent, odor, or volatile organic compounds (VOC), and do not require metal dryers and solvent recovery systems.

TOYO INK stands out in the growing UV market, especially with its superior performance in low energy UV ink/printing products and extends this knowledge to produce UV curable coatings offering environmentally-friendly products and addressing global regulations.

In the framework of the 2244 Industrial PhD program, SUNUM and TOYO Ink merges their experience to develop innovative materials and formulations adapted to UV curing system for metal packaging.

[2244 Industrial PhD program](#)

Requirements:

-PhD students should satisfy Sabancı University's admissions ([link](#))

Scholarship Amount:

-Full scholarship: 4500TL / month

Tuition fee:

-Cover by the 2244 Industrial PhD program for a full-time PhD program in Sabancı University

Charter:

-3-year commitment to work for Toyo ink in Manisa.