

DSM (China) Limited

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Royal DSM N.V. – the Life Sciences and Materials Sciences Company

Royal DSM N.V. creates innovative products and services in Life Sciences and Materials Sciences that contribute to the quality of life. DSM's products and services are used globally in a wide range of markets and applications, supporting a healthier, more sustainable and more enjoyable way of life. End markets include human and animal nutrition and health, personal care, pharmaceuticals, automotive, coatings and paint, electrical and electronics, life protection and housing. DSM has annual net sales of almost EUR 9.3 billion and employs some 23,500 people worldwide. The company is headquartered in the Netherlands, with locations on five continents. DSM is listed on Euronext Amsterdam. To learn more about DSM, please visit our website at www.dsm.com.

The fundamental materials research for DSM's Performance Materials Business groups and the DSM's Life Science Cluster as well as the various Emerging Business Areas, is done by the research unit DSM Ahead. Next to Chemistry and Technology, DSM Ahead's Materials Science Research Center (MSC) is providing solutions for problems concerning material processing and properties. Based on fundamental understanding we provide ongoing support of several business groups in their efforts to improve, innovate and refine their products. The MSC is located at the Geleen (Netherlands) based Research Campus and comprises about 130 people.

Due to the growing business potential and needs in the Asia Pacific region, DSM is building a Performance Materials Research Centre in Shanghai with a strong focus on DSM Engineering Plastics. In this Performance Materials Research Centre, materials experts are conducting research projects and supporting regional product and application developments. All activities in this materials science field will be aligned and steered globally.

RESEARCH SCIENTIST POLYMER PHYSICS

The Challenge

You will work at the interface between R&D and business in solving both short and long term problems. Your main task is the initial problem analysis: breaking a complex practical problem down into cases that can be handled by experts in the fields of processing, properties and chemistry. Defining opportunities, analyzing them, and developing/ proposing efficient tools (numerical as well as experimental) are of course part of your task. You will contribute in solving business problems based on a broad scientific base. A typical research project could be the analysis of surface defects observed in products after processing (extrusion or injection molding), interpreting them in terms of structure and morphology, defining and executing a research project to improve performance, and subsequently transferring the knowledge to product and application development. But also the investigating blooming or degradation phenomena in polymers and identify solutions via mechanistic understanding.

You will be stimulated and coached to develop yourself in the scientific projects, as well as on your personal skills like entrepreneurship and communication. Thereby, your in-depth analysis will guide the development of products and applications for DSM.

The Ideal

You have a PhD degree in polymer engineering or material science, with a specialization in polymer physics. Essential is a real interest in finding out "how things work". Your drive is that gained knowledge is implemented into real solutions. Identifying connections between different areas of expertise concerning Material properties is essential. Regarding your personal skills, being a team player is considered to be very important. Furthermore, you have a strong drive for results. You demonstrate strong communication skills and have the ability to take initiative; actively searching for new ideas, understanding problems presented by the business and implementing workable solutions. You are capable of working in close collaboration with other professionals from different fields and maintaining close working relationships with professionals working at the MSC in Netherlands. Native speaking Chinese and fluency in English are crucial to establish these global working relationships. Finally, you are a conceptual and critical thinker, able to dive into detail where required as well as able to generate creative solutions.

If you are interested in this challenging job and see a good fit with your qualities, please send your resume (in English) to DSM: Qing.Jin@dsm.com, before February 18th 2013.