

JOB DESCRIPTION – R&D Chemist

MOF Technologies Limited

JOB ELEMENT	DETAIL
Job Title	R&D Chemist
Reporting to	MOF Development Manager
Time commitment	Full-time
Location	Belfast
Remuneration	Starting Salary – Competitive with good benefits
Main Purpose	To help unlock more real-life uses of MOFs by developing manufacturing processes for new materials and tailoring their properties for targeted applications.
Accountabilities and responsibilities	<p><i>Execute materials development projects</i></p> <ul style="list-style-type: none"> • Work with the MOF development manager to synthesise promising new MOFs for both commercial and R&D projects. • Utilise available synthesis protocols and analytical techniques to achieve technical objectives. • Conduct experiments to develop new processes for MOFs (at laboratory scale). This will include the synthesis, shaping, and coating of MOFs. • Meet internal/external project deliverables and timelines. • Perform data analysis and interpret results to define the next steps. • Present results to management and key stakeholders (written and orally) in an effective and engaging manner. <p><i>QC & Logistics</i></p> <ul style="list-style-type: none"> • Work with both QC and production managers to analyse QC samples, reporting deviations where applicable. • Assist in the materials handling and logistics process.
Special challenges	MOF Technologies (MOFT) consists of a diverse, determined, and energetic team of problem solvers who love a challenge. Using its proven MOF development expertise and patented technology, it helps take innovative organisations from ideation to commercialisation, by designing and managing their path from problem to MOF product, in a low risk, cost-effective, and timely manner. MOF Technologies export to over 26 countries and counts on an international client base from small academic groups to major “blue chip” companies. It aims to become a fast-growing organisation, assuming a leadership role in the nascent MOF materials market. The expansion of the MOF catalogue is integral to realising this goal, as it helps increase the possibilities for gas capture, storage, and delivery.
Work pattern	<ul style="list-style-type: none"> • Full-time, Belfast-based. Ad-hoc travel may be required. • Holidays: 25 days annual leave plus 10 statutory days.



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Job knowledge, skills, and experiences	<ul style="list-style-type: none">• Bachelor's Degree in chemistry (1st Class).• Experience (industrially & or academically) in the synthesis, formulation of MOFs.• Ability to prioritise tasks, drive several different projects at the same time and delegate efficiently• Proven track record of managing complex projects.• Outstanding verbal and written skills, and experience working with staff on all levels.• Experience in the use of analytic techniques for characterising adsorbent materials, such as PXRD, TGA, IR & SEM.• A team player with excellent communication and interpersonal skills.• An innovative, self-starter with eagerness to drive and grow as the company develops• "Can do" and proactive approach to work, inquisitive and a problem solver• Must be able to work with multiple and diverse stakeholders.
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If you are interested in this role, please send a copy of your CV to contact@moftechnologies.com

