



Job title	Senior Technician	Job family and level	Technical Services Level 3
School/ Department	Biosciences/Agricultural and Environmental Sciences	Location	Sutton Bonington Campus

Purpose of role

The purpose of this role is to provide high-quality, technical support to the research team working on the Biochar Demonstrator Project within the School of Biosciences, Faculty of Science. This involves working closely with the PI and Research Associate/Fellow, developing the agronomic and ecosystem services aspects of the Biochar Demonstrator Project. The role holder will conduct a range of analytical techniques including soil and plant elemental analyses, DNA extractions and field sample collection,

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
1	<p>Technical running of the field and laboratory trials</p> <ul style="list-style-type: none"> ▪ Work in close collaboration with the PI and Research Associate/Fellow for the first 6 months of the project. The role holder will oversee and conduct the day-to-day analytical aspects of the agronomic and ecosystem services elements of the Demonstrator research project, allocate resources and liaise with other staff members and students to ensure work objectives and standards are met. ▪ Set and monitor work standards and adapt and refine work practices and procedures where appropriate and in association with the Research Associate/Fellow. 	60%
2	<p>Technical Knowledge</p> <ul style="list-style-type: none"> ▪ Utilise technical knowledge and expertise to conceptualise and interpret the requirements of the stakeholders. ▪ Advise and assist staff and students on the development, design, preparation, construction, assembly and application of equipment/systems, which may include setting up of experiments/systems and the deployment of particular techniques. 	5%
3	<p>Interpretation of Data/Results</p> <ul style="list-style-type: none"> ▪ Assist in the interpretation of results/data, providing quantitative and qualitative analysis, advising staff and students of the application, techniques and use of relevant technical/laboratory equipment and/or systems. 	5%
4	Routine Maintenance	5%

	<ul style="list-style-type: none"> ▪ To conduct regular routine maintenance, fault diagnosis and repair of equipment/ apparatus/systems personally or through others in own area of responsibility, as required, and advise, where necessary, on the purchasing of equipment and consumables ▪ Ensuring the adequate stocks of materials/equipment and maintaining appropriate records. 	
5	<p>Specialist Advice</p> <ul style="list-style-type: none"> ▪ To provide quality and timely advice, assist and train staff and students on the development, design, preparation, construction, assembly and application of equipment/systems, the setting up of experiments and/or deployment of particular techniques/methods. 	5%
6	<p>Health and Safety</p> <ul style="list-style-type: none"> ▪ Monitor Health and Safety in the performance of all duties by assessing the risks of the planned activity and performing the tasks having considered, and acted, to secure the safety of yourself and others. ▪ Ensure staff, students and/or new researchers are trained in techniques and the safe and effective use of equipment to ensure compliance with relevant health and safety regulations, including carrying out safety risk assessments. 	5%
7	<p>Communication</p> <ul style="list-style-type: none"> ▪ Ensure the completion of clear and accurate documentation, records and reports in order to comply with University quality standards. ▪ Liaise with external stakeholders and with the wider academic team in the Faculty of Engineering, School of Geography and external collaborating institutions. 	5%
8	<p>Contribution to the development of methods/ techniques/ equipment</p> <ul style="list-style-type: none"> ▪ Contribute to the development of new or improved methods/techniques/equipment and to undertake further training to develop skills and techniques relevant to role. 	5%
9	<ul style="list-style-type: none"> ▪ Any other duties appropriate to the grade and role as required by the Principal Investigator. 	5%

Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> ▪ Proven analytical and technical problem-solving skills. ▪ Effective communication and team working. ▪ Flexible and proactive outlook. ▪ Ability to work unsupervised to tight deadlines. ▪ Meticulous attention to detail. ▪ Be self-directed and able to make key decisions. 	<ul style="list-style-type: none"> ▪ Proven report writing skills. ▪ Capability to organise own and other's activities to meet set deadlines. ▪ 'Drive for results' the ability to coach and motivate others to meet and exceed set objectives.
Knowledge and experience	<ul style="list-style-type: none"> ▪ Proven technical experience in relevant techniques and equipment. 	<ul style="list-style-type: none"> ▪ Knowledge of agronomy, field and/or laboratory trial design.
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> ▪ Minimum of HNC in relevant subject or equivalent qualifications plus considerable work experience in relevant role, or substantial work experience in relevant role. 	
Statutory, legal or special requirements	<ul style="list-style-type: none"> ▪ Understanding of Health and Safety in a workplace. 	<ul style="list-style-type: none"> ▪ Additional qualifications in Health & Safety.



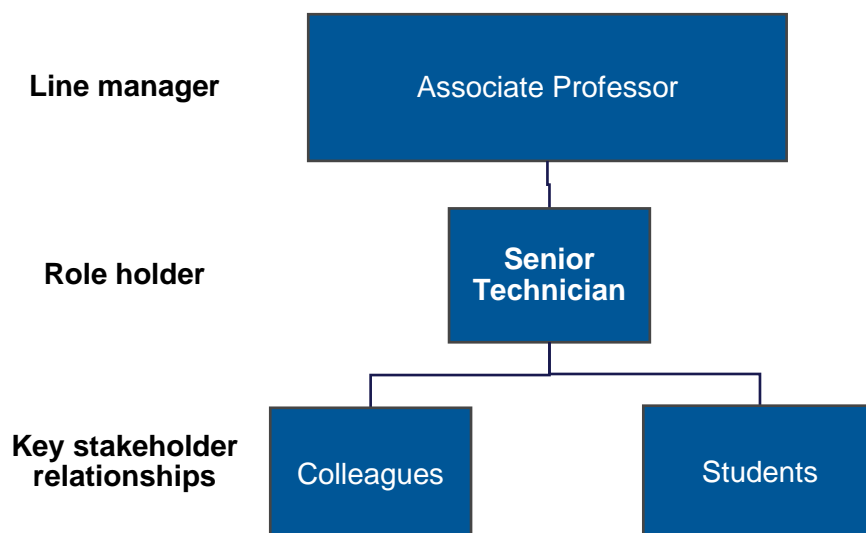
The University of Nottingham is focused on embedding equality, diversity and inclusion in all that we do. As part of this, we welcome a diverse population to join our work force and therefore encourage applicants from all communities, particularly those with protected characteristics under the Equality Act 2010.

Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

- Valuing people** Is friendly, engaging and receptive, putting others at ease. Actively listens to others and goes out of way to ensure people feel valued, developed and supported.
- Taking ownership** Is clear on what needs to be done encouraging others to take ownership. Takes action when required, being mindful of important aspects such as Health & Safety, Equality, Diversity & Inclusion, and other considerations.
- Forward thinking** Drives the development, sharing and implementation of new ideas and improvements to support strategic objectives. Engages others in the improvement process.
- Professional pride** Is professional in approach and style, setting an example to others; strives to demonstrate excellence through development of self, others and effective working practices.
- Always inclusive** Builds effective working relationships, recognising and including the contribution of others; promotes inclusion and inclusive practices within own work area.

Key relationships with others



For job levelling/benchmarking purposes only – please remove before publishing

Decision making

Taken independently by the role holder

- Manage own workload.
- To advise and solve routine queries.
- The organisation and prioritisation of the workload within a designated area

Taken in collaboration with others

- Co-ordination and delivery of support and materials for teaching requirements
- Use judgement to seek appropriate help / assistance on non-routine and/or complex matters

Referred to the appropriate line manager (please name) by the role holder

- Resolution of complex problems