



Fully funded PhD (full-time)

Junior Researcher Position in the Field of Organic/Wood Chemistry and Material Science with Supercritical Fluid Technology

PROJECT TITLE

Supercritical Fluids Technology:
the first step towards an integrated holistic biorefinery of pine wood.



PROJECT

PARTNERSHIPS

SCF Processing Ltd (Ireland)
Barrus AS (Estonia)



Supervisors:

PhD Siim Salmar, assoc. prof. (University of Tartu)
Dr. Siobhan O. Matthews (SCF Processing Ltd)

SKILLS REQUIRED

- Organic/wood/material chemistry background
- Basic experience: solvent extraction,
- GC-MS, HPLC, sample preparation *etc.*

INDEPENDENT COLLABORATIVE WORK ETHIC

Candidate exhibits scientific curiosity, ability to solve problems, has proactive attitude, enthusiasm, creativity, communication and presentation skills and is able to work in a team.

GOAL

Sustainable and scalable SCF-based technologies for converting pine wood residues into high-value bio-based products.

WE OFFER

- being a part of an established and youthful research team
- state-of-the-art instrumentation
- international collaborations, conferences
- direct supervision
- **Base gross salary:** €1950/month
- **Salary add-ons:** Based on deliverables

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Application open **15th - 30th September 2025**

Further information: PhD Siim Salmar (Chair of Organic Chemistry) siim.salmar@ut.ee

APPLICATION/SELECTION PROCEDURE ON PAGE 2!

SELECTION PROCEDURE

DOCUMENTS NEEDED

[INFO](#)

- **MSc or equivalent degree**
 - Inc. official translations of both bachelor's and master's diplomas and diploma supplements into English
- **CV**
- **Motivation letter**
- **Proof of English language proficiency**
 - IELTS 6.0 or equivalent (CAE, TOEFL, PTE Academic)
 - or at least 1 semester of studies in English in an English speaking country or EU/EEA

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The application period will open on 15th September 2025. However, **please send the above documents ASAP** to the Chair of Organic Chemistry to determine if your application would be considered and you would potentially be invited to an online interview.

What is needed ASAP: CV, motivation letter and officially/unofficially translated MSc degree with diploma supplement in English*

*other documents can be delivered later from a successful candidate

Please send a notification of your interest with your CV, motivation letter and diploma **ASAP** to siim.salmar@ut.ee