

CHEMISTRY. FIXING THE FUTURE.



“I combine research and innovation to enhance the wellbeing of the earth.”

Skills

- ✓ Problem-solving
- ✓ Taking initiative
- ✓ Working in a team

Minimum qualifications

- Master's degree in chemistry, material science or textile engineering, with the addition of a sustainability-related course

Salary range

- £25,000–£40,000 a year

HOW DOES RAQUEL MAKE A DIFFERENCE?

I work at a startup company that develops a sustainable fabric called Piñatex, made from pineapple leaves that would otherwise be burnt or left to rot.

WHAT'S INVOLVED?

- Finding ways to lower the environmental impact of the manufacturing process
- Checking that suppliers are environmentally friendly
- Working across departments – no two days are the same



Textile dyeing is the second-largest polluter of water globally, and it takes around 2,000 gallons of water to make a typical pair of jeans¹.

Piñatex is made using pigments instead of dyes. This uses less water, reducing the environmental impact. And by not burning the leaves, Piñatex is saving eight kilos of CO₂ per square metre².

WANT TO KNOW MORE?

A Future In Chemistry: rsc.li/future

FEELING INSPIRED?

Scan to take our quiz and get career inspiration based on your interests



¹ www.unep.org/news-and-stories/story/putting-brakes-fast-fashion

² www.edu.rsc.org/job-profiles/head-of-research-and-sustainability/4013826.article