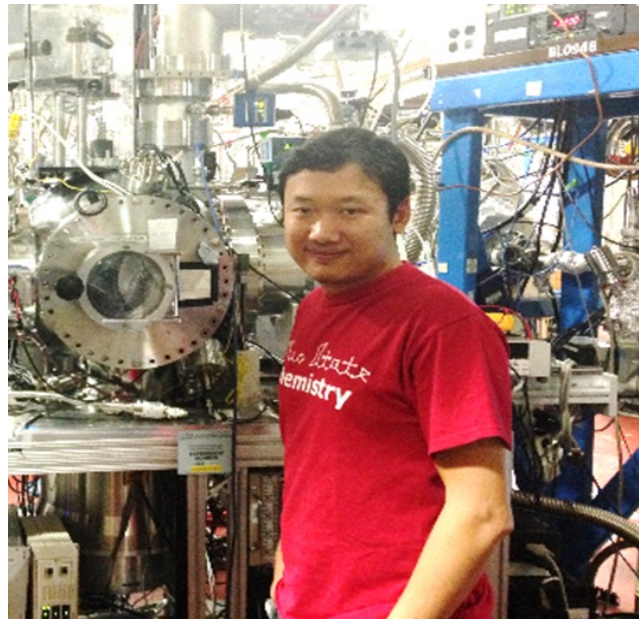


A SCIENTIST JUST LIKE ME



Dr Rabi Chhantyal-Pun
Atmospheric chemist

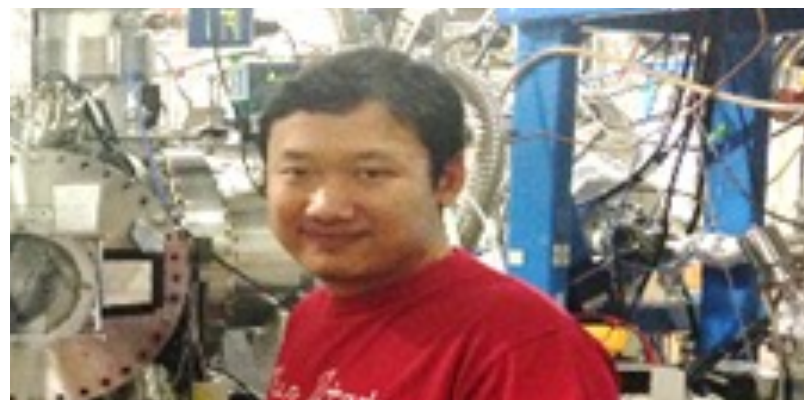
A SCIENTIST just like me

Hi there! I am Dr Rabi Chhantyal-Pun -

An atmospheric chemist

Where do I work?

I currently work at the University of Bristol in the School of Chemistry.



What did I like doing when I was at school?

I liked studying science and history – doing coursework and using an encyclopaedia. I also enjoyed cricket, basketball and computer games.

What do I like doing in my spare time?

I very much enjoy playing sports. I play basketball, lawn tennis, and cricket. I also like socialising with friends over boardgames or checking out new eating places around town.

A SCIENTIST JUST LIKE ME

What do I do as an atmospheric chemist?



I study chemical reactions which play an important role in the chemistry of our atmosphere. An atmospheric chemist studies changes in gases in the air to identify which ones can be harmful to humans, plants and ecosystems.

How does what I do make the world a better place?

My studies focus on understanding the chemistry of the the gases plants give out in various environments and their impact on our climate and air quality. Studies like mine are used to advise governments on making decisions to reduce carbon emissions and work towards a sustainable future.

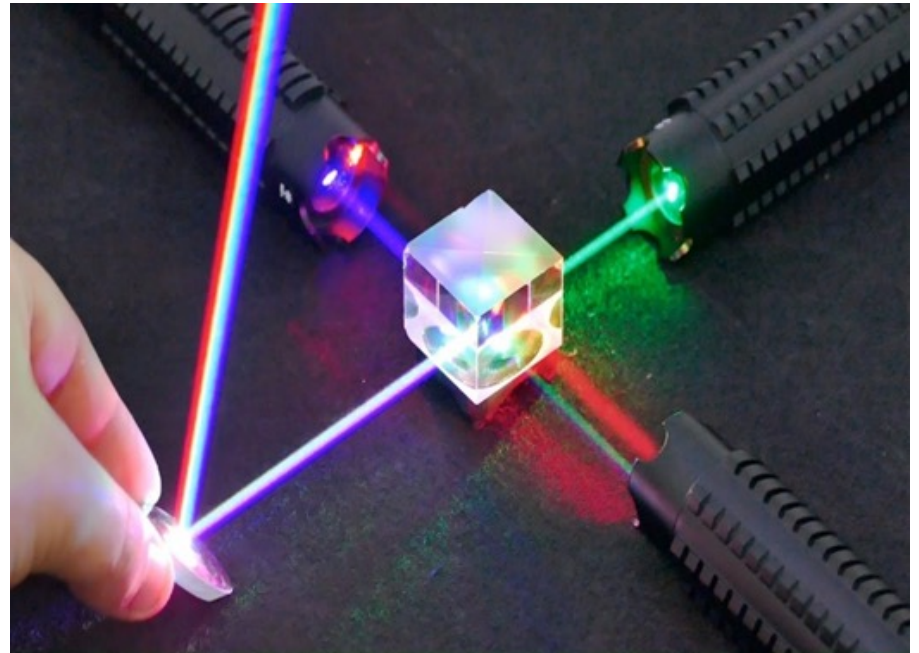
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What I like about my job

The aspect of my job that I like most is building new scientific instruments. I mainly use lasers, optics, and other electronic parts for building my instrument to measure chemicals which cannot be detected by the naked eye.

Challenges I have faced

Sometimes you can feel a bit overwhelmed about how much there is to learn! However, over time, I have learned to be patient, take one step at a time, and build on things I have learned previously.



A SCIENTIST just like me

If you want to be an atmospheric chemist, you need:

- ✱ to be **open to learning new things**
- ✱ to be **interested in our planet** and its atmosphere
- ✱ **determination** to develop good maths skills
- ✱ to enjoy thinking of **new ways to find things out**
- ✱ to be a good **communicator**



A SCIENTIST just like me

Discussion time

- ✦ Would you like to be an atmospheric chemist like Dr Rabi Chhantyal-Pun?

Why? Why not?



- ✦ What skills and interests do you already have that would help you become an atmospheric chemist?
- ✦ What new skills and knowledge would you need to develop?

A SCIENTIST JUST LIKE ME

Free supporting resources for atmospheric chemistry

[Air Pollution Research](#) resources allow primary age children to learn about air pollutants and to use data from the UK Air Data Archives to carry out their own research on air pollutants in their area.

[I bet you didn't know...](#) articles use cutting-edge science research as a context for learning. Teacher Guides describing the research and activities and investigations for children can be used as classroom presentations. See:

- Computers can measure the happiness of a city
- Tree restoration – it's now or never

Created by the Primary Science Teaching Trust

