

## POCSquared S2 Episode 3 Shownotes

- **Lack of racial representation in academia and harassment by white students**
  - **Black and POC lecturers report lower pay and bullying and harassment**
    - <https://www.ecu.ac.uk/wp-content/uploads/external/experience-of-bme-staff-in-he.pdf>
      - Report by the ECU (Equality Challenge Unit)
  - <http://www.leeds.ac.uk/educol/documents/000000147.htm>
    - Pressure on POC lecturers to “fit in”
  - <https://www.bbc.co.uk/news/education-55723120>
    - Only 1% of lecturers in UK universities are Black
  - [http://eprints.whiterose.ac.uk/121107/8/SIAN\\_corregido\\_aura\\_1.pdf](http://eprints.whiterose.ac.uk/121107/8/SIAN_corregido_aura_1.pdf)
    - Study into racism at British universities
  - <https://files.eric.ed.gov/fulltext/EJ1065656.pdf>
  - <https://www.theguardian.com/education/2020/nov/24/uk-universities-perpetuate-institutional-racism-report-says>
  - <https://blackbritishacademics.co.uk/>
    - **Group of Black British Academics who are trying to bolster Black and POC representation in UK academia**
  - <https://www.equalityhumanrights.com/sites/default/files/tackling-racial-harassment-universities-challenged.pdf>
    - **Study showing half of POC staff in UK universities have experienced being ignored due to their race, and a quarter have experienced racist name calling, insults and jokes**

- <https://www.insidehighered.com/news/2013/12/03/black-professors-essay-raises-questions-why-she-was-investigated-after-offending>
  - White student complaining about having to take part in a conversation about race given to them by a Black professor
  
- **Examples of structures + STEM achievements made by POC cultures far before the invention of “Western science”**
  - <https://www.asbmb.org/asbmb-today/science/020113/great-achievements-in-stem-in-ancient-africa>
  - **STEM achievements in ancient Africa**
    - <https://www.pbs.org/newshour/show/overdue-know-brilliance-africas-civilizations>
    - <https://news.mit.edu/2014/clapperton-mavhunga-book-african-technology-1006>
    - [https://hssonline.org/resources/teaching/teaching\\_nonwestern/teaching\\_nonwestern\\_africa/](https://hssonline.org/resources/teaching/teaching_nonwestern/teaching_nonwestern_africa/)
  - Technology in sub-Saharan cultures:
    - <https://muslimheritage.com/technology-in-sub-saharan-cultures/>
  - <https://iks.ukzn.ac.za/node/1067>
    - Ancient African technological advances in metallurgy, navigation and technology
  - **Ancient Asian technology + STEM contributions**
    - <https://www.sjsu.edu/faculty/watkins/ancientchina.htm>
    - <https://www.crystalinks.com/chinascience.html>
    - **Paper on ancient Chinese agricultural technology:**
      - <https://www.nature.com/articles/s41599-019-0282-1>

- <https://interestingengineering.com/made-in-china-chinese-inventions-that-changed-the-world>
- <https://asiasociety.org/education/math-science-and-technology-india>
- <https://royalsocietypublishing.org/doi/10.1098/rsos.170208>
- <https://www.jstor.org/stable/4413650>
  - History of STEM in South Asia
- **Indigenous and Aboriginal Astronomy**
  - <https://www.sea.museum/2019/08/09/what-is-indigenous-astronomy-we-spoke-to-two-experts-to-find-out>
    - Longest continuous culture on Earth (Aboriginals) are also widely believed to be the first astronomers
    - <http://www.aboriginalastronomy.com.au/> - Aboriginal Astronomy website
  - <https://www.theguardian.com/commentisfree/2018/may/21/aboriginal-astronomy-can-teach-us-about-the-link-between-sky-and-land>
  - <https://www.iflscience.com/space/stories-sky-astronomy-indigenous-knowledge/>



- Lack of sanitation in Victorian Britain and later
  - [https://en.wikipedia.org/wiki/Great Stink](https://en.wikipedia.org/wiki/Great_Stink)
    - An event in Central London in July and August 1858 during which the hot weather exacerbated the smell of untreated human waste and industrial effluent that was present on the banks of the River Thames. The problem had been mounting for some years, with an ageing and inadequate sewer system that emptied directly into the Thames.
    - Linked to many cases of cholera
  - <https://victoriaplum.com/blog/posts/in-from-the-cold-the-rise-of-indoor-toilets>
    - Only after the First World War did housing developments need to include an indoor toilet – even during the 1890s there were separate

regulations for wealthy and working class houses which meant working class ones didn't need to include a toilet

- **Contrast this to the Indus Valley Civilisation ~4000 years earlier where ALL houses had functioning indoor sanitation systems and toilets (see below)**

- **Indus Valley Civilisation and the first water sanitation systems**

- [https://en.wikipedia.org/wiki/Sanitation\\_of\\_the\\_Indus\\_Valley\\_Civilisation](https://en.wikipedia.org/wiki/Sanitation_of_the_Indus_Valley_Civilisation)
- <https://hess.copernicus.org/preprints/hess-2020-213/hess-2020-213.pdf>
- [https://vaak-india.org/?page\\_id=228](https://vaak-india.org/?page_id=228)
  - Detailed explanation of the way the Indus Valley Civilisation inhabitants found a way of lowering the fluoride content in the water to avoid fluorosis
- <https://www.harappa.com/category/slide-subject/sanitation>
  - Detailed pictures of excavated sites of the sanitation system and baths
- <https://www.indianeagle.com/travelbeats/history-of-toilets/>
  - **Every house in the Indus Valley Civilisation had their own personal toilet which linked to the drains outside**

- **Terrible hygiene of European royals**

- <http://muslimvilla.smfforfree.com/index.php?topic=3219.0;wap2>
- <https://unrememberedhistory.com/tag/queen-isabella-of-castile/>
  - **Queen Isabella of Castile only bathed twice in her life**

- **Academia is unwelcoming to chronically ill and disabled people**

- <https://www.uclpress.co.uk/products/123203>
  - Report on ableism in UK academia (published Oct 2020)
- <https://medium.com/@lislanna/academia-is-irreparably-ableist-925fb33721ff>
  - Medium article from an academic suffering from depression on the state of the academy
- <https://www.tandfonline.com/doi/full/10.1080/09687599.2018.1455627>
  - Paper on lack of disabled and chronically ill academics and how the academy causes this
- <https://twitter.com/academicableism>
  - **Twitter which documents and calls out cases of ableism in academia**

- **Lack of good teaching facilities and care when teaching in universities**

- <https://www.timeshighereducation.com/news/prestigious-us-universities-worse-teaching-major-study-finds>
  - The better the US university the worse the teaching quality study finds

- <https://www.theatlantic.com/business/archive/2013/09/are-tenured-professors-really-worse-teachers-a-lit-review/279940/>
  - Study showing tenured professors are worse teachers
- <https://www.bbc.co.uk/news/education-34197403>
  - Universities criticised over teaching quality
- <https://www.theguardian.com/higher-education-network/blog/2014/jun/20/why-no-value-place-on-teaching-experience-uk-universities>
  - **No value placed on teaching at universities, too much focus on hiring people based on number of publications, not teaching experience**
- <https://www.forbes.com/sites/davidrosowsky/2020/06/11/the-teaching-and-research-balancing-act-are-universities-teetering/>
  - Lack of emphasis on teaching at university
  - <https://www.insidehighered.com/news/2010/07/13/teaching-vs-research>
- **Discrimination faced by minority professors when teaching**
  - <https://www.insidehighered.com/news/2018/03/14/student-says-students-rate-men-more-highly-women-even-when-theyre-teaching-identical>
  - Students rate male professors more highly than women even when they're teaching the same material
  - <https://www.tandfonline.com/doi/full/10.1080/13613324.2018.1468745>
    - Paper on teaching while black – and how white female academics are often the cause of racism

- Podcast episode : <https://lesley.edu/podcasts/why-we-write/teaching-while-black-a-poet-explores-racism-in-the-classroom>
  - **“Teaching while black” – Dr Matthew Henry talks about racism in the classroom**
- <https://www.cambridge.org/core/journals/ps-political-science-and-politics/article/exploring-bias-in-student-evaluations-gender-race-and-ethnicity/91670F6003965C5646680D314CF02FA4>
  - Paper exploring gender and racial bias in student evaluations of professors
- <https://www.tandfonline.com/doi/abs/10.1080/13603110802504556>
  - **Paper exploring student evaluations of LGBT+ staff and bias**
- **Microaffirmations in university classrooms towards white students**
  - <https://www.taylorfrancis.com/chapters/edit/10.4324/9781315144146-6/white-microaffirmations-classroom-greg-vass>
  - <https://www.brown.edu/sheridan/microaggressions-and-micro-affirmations-0>
  - <https://www.researchgate.net/publication/329653607>  
White microaffirmations in the classroom
  - <https://studentsuccess.unc.edu/wp-content/uploads/sites/10139/2018/04/Ellis-et-al-2018-Examining-First-Generation-College-Student-Lived-Experiences-With-Microaggressions-and-Microaffirmations-1.pdf>
    - Microaggressions and microaffirmations at predominantly white public research universities

- <https://www.insidehighered.com/advice/2018/07/20/how-deal-microaggressions-class-opinion>
    - Dealing with microaffirmations in the university classroom
  - <https://www.insidehighered.com/news/2019/02/18/essay-about-how-white-male-students-dominate-discussions-sets-debate-dickinson-and>
    - Article on how white male students usually dominate classroom discussions
  - <https://scholarworks.smith.edu/cgi/viewcontent.cgi?article=1716&context=theses>
    - Research into how black students are very often silent in majority white classrooms
  - [https://www.ousa.ca/blog\\_racial\\_slurs](https://www.ousa.ca/blog_racial_slurs)
    - **Article on how racial slurs don't serve an "educational purpose" in any context**
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## Solutions

- <https://poc2.co.uk/media/>
  - Decolonise science reading lists
  - Studies about lack of racial representation in academia
- <https://www.washington.edu/doit/academic-accommodations-students-learning-disabilities>
  - Changing universities to be more accommodating to the disabled and chronically ill
    - Information on changing teaching styles: visual/auditory etc
    - Importance of recording lectures properly
    - Changes to examination structure etc
- <https://www.nicole-brown.co.uk/invisible-disabilities-academia/>

- Information on “invisible illnesses” in academia – mental health, chronic pain etc
- [https://www.ucl.ac.uk/cam/sites/cam/files/making-academia-more-accessible\\_journal-article.pdf](https://www.ucl.ac.uk/cam/sites/cam/files/making-academia-more-accessible_journal-article.pdf)
  - Disability services in academia should be made easily accessible
- Importance of citing more POC authors:
  - <https://academic.oup.com/joc/article-abstract/68/2/254/4958972?redirectedFrom=fulltext>
    - “#CommunicationSoWhite”
  - <https://www.insidehighered.com/advice/2018/04/27/racial-exclusions-scholarly-citations-opinion>
  - <https://www.smithsonianmag.com/science-nature/english-language-science-can-cause-problems-180961623/>
    - Why English being the main language of science is bad
    - <https://undark.org/2016/07/25/ferocious-dinosaur-invisible-scientists-argentina/>
    - Leads to the names of POC scientists involved in discoveries going unmentioned (such as this case of Latin American scientists)
- <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1796769/>
  - Breaking down the English language barrier in scientific communication
- <https://translatesciences.com/>
  - **Website with resources on translating environmental science journals**
  - <https://translatesciences.com/list-of-non-english-language-journals-in-ecology-and-conservation-uploaded/>
  - List of non-English language journals in ecology in conservation

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### Media recommendations:

- Karel:
  - Film: Lion (2016)
  - <https://www.imdb.com/title/tt3741834/>
- Sehher:
  - Series (BBC4): Art of Persia
  - <https://www.bbc.co.uk/iplayer/episodes/m000k48j/art-of-persia>
- Pruthvi: Youtuber: Cosmonaut Variety Hour
  - <https://www.youtube.com/user/cosmonautvarietyhour>

WWW.POC2.CO.UK