ROYAL SOCIETY OF CHEMISTRY

Advance your career in science

with professional recognition that showcases your **experience, expertise and dedication**

Stand out from the crowd

Prove your commitment to attaining excellence in your field

Gain the recognition you deserve

Achieve a professional qualification that inspires confidence and trust

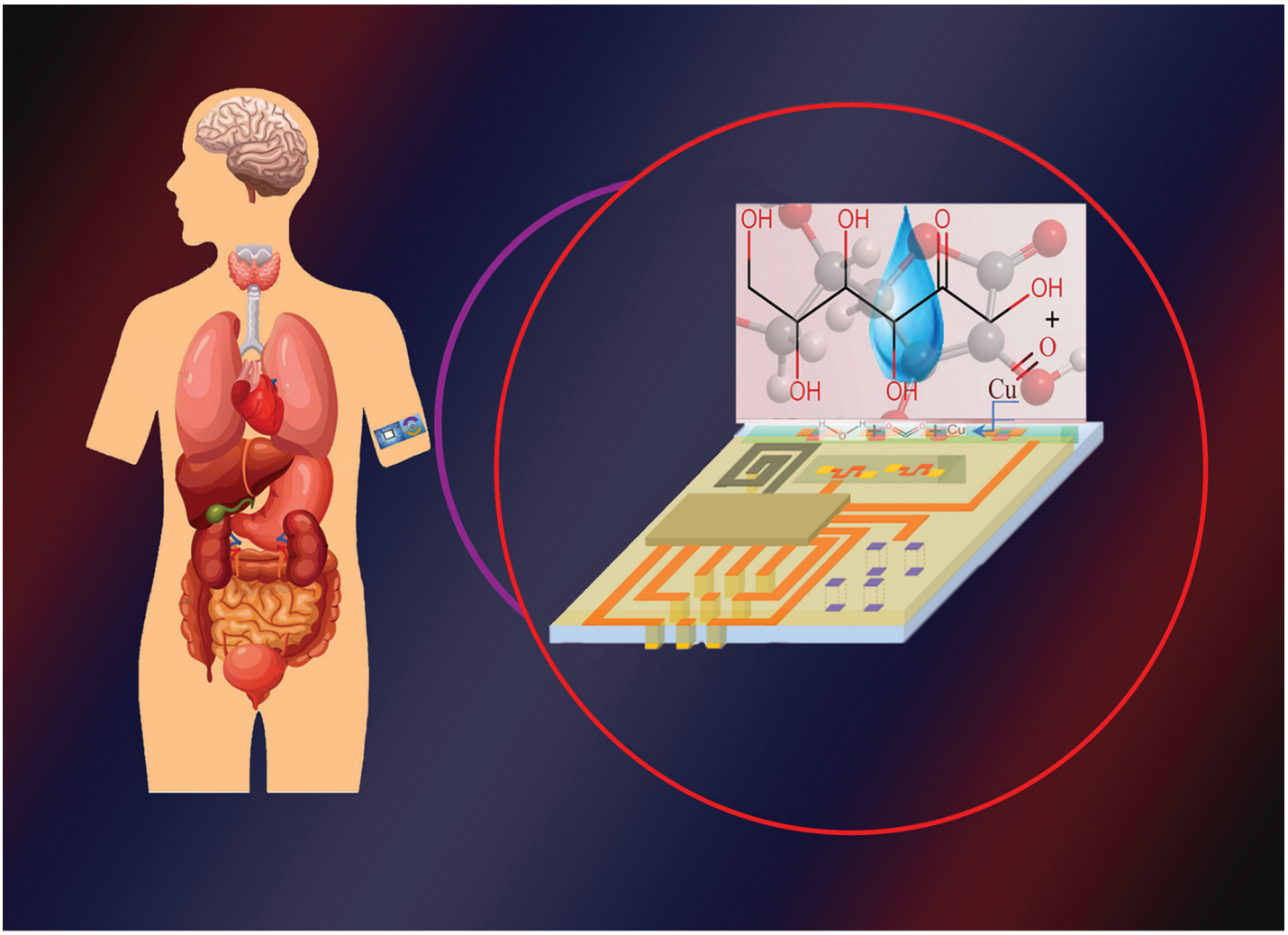
Unlock your career potential

Apply for our professional registers (RSci, RSciTech) or chartered status (CChem, CSci, CEnv)

Apply now

rsc.li/professional-development

Registered charity number: 207890

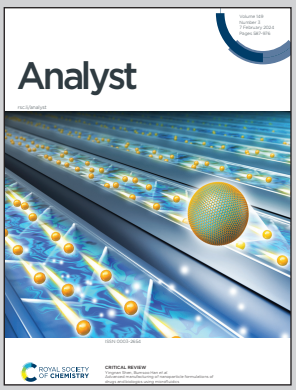


Showcasing research from Professor M. R. Howlader's laboratory, School of Electrical and Computer Engineering, McMaster University, Hamilton, Ontario.

High performance nonenzymatic electrochemical sensors *via* thermally grown Cu native oxides (CuNOx) towards sweat glucose monitoring

Diabetes, which is the seventh leading cause of death globally, necessitates real-time blood glucose monitoring, a process that is often invasive. A promising alternative is sweat glucose monitoring, which typically uses transition metals and their oxide nanomaterials as sensors. Despite their excellent surface to-volume ratio, these materials have some drawbacks, including poor conductivity, structural collapse, and aggregation. As a result, selecting highly electroconductive materials and optimizing their nanostructures is critical.

As featured in:



See Maksud M. Alam and Matiar M. R. Howlader, *Analyst*, 2024, **149**, 712.

ROYAL SOCIETY OF CHEMISTRY

rsc.li/analyst

Registered charity number: 207890