

Designing & characterization



Almond Shell

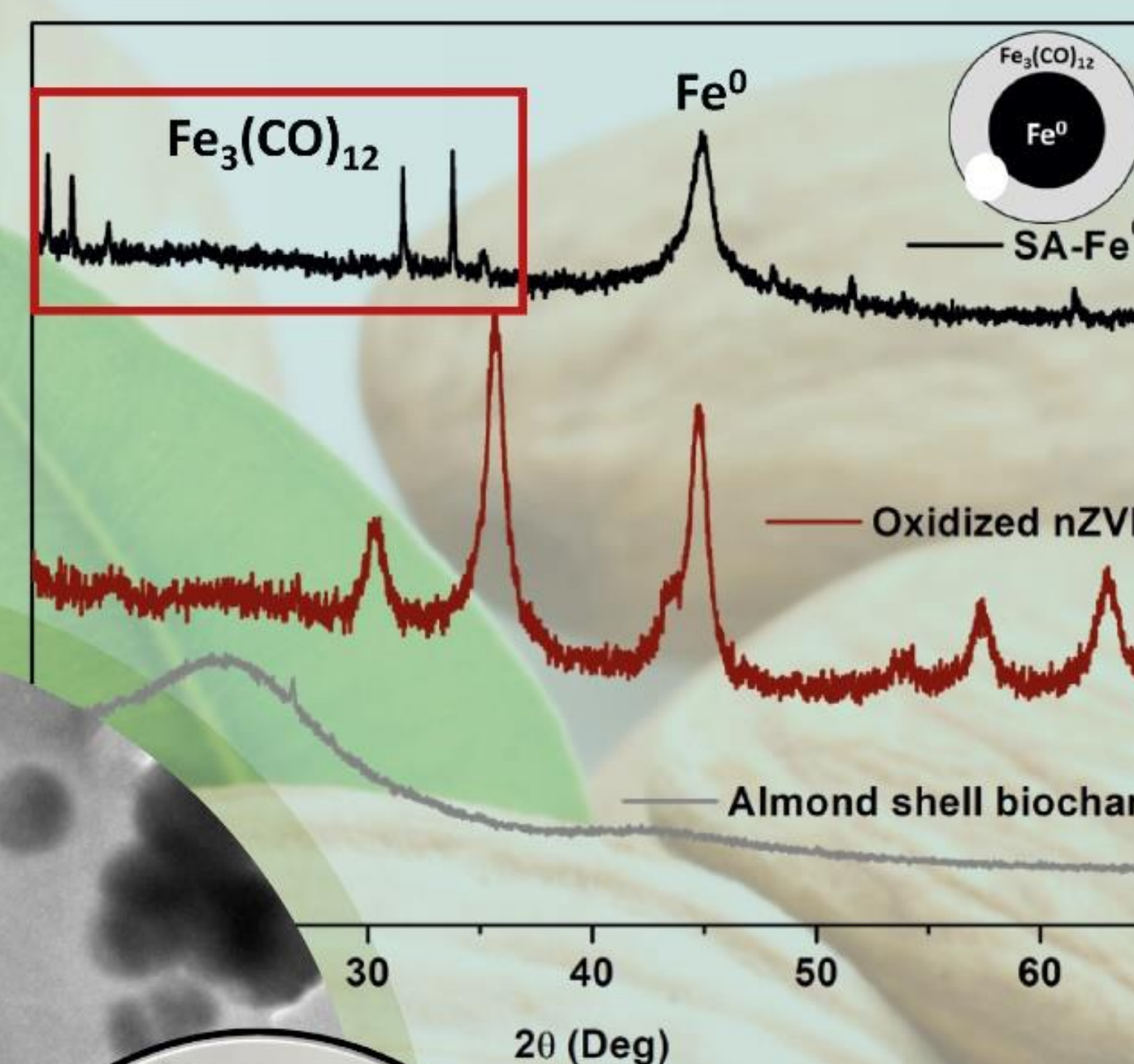
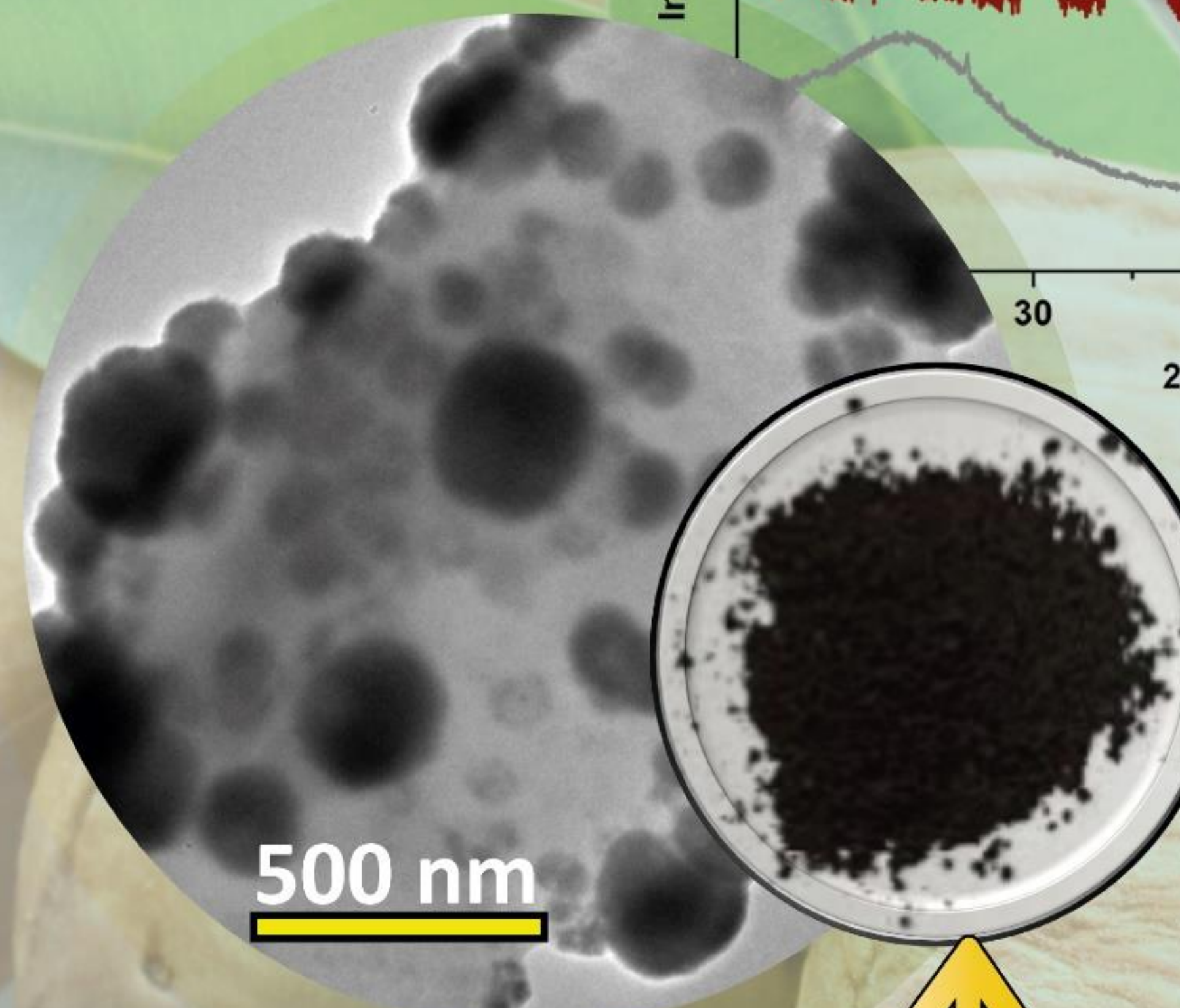
↓ Grinding



↓ Pyrolysis



Biochar
addition



FeCl₃
NaBH₄

Stage-2
Modification



Methanol + HCl



Almond Skin

↓ Sunlight



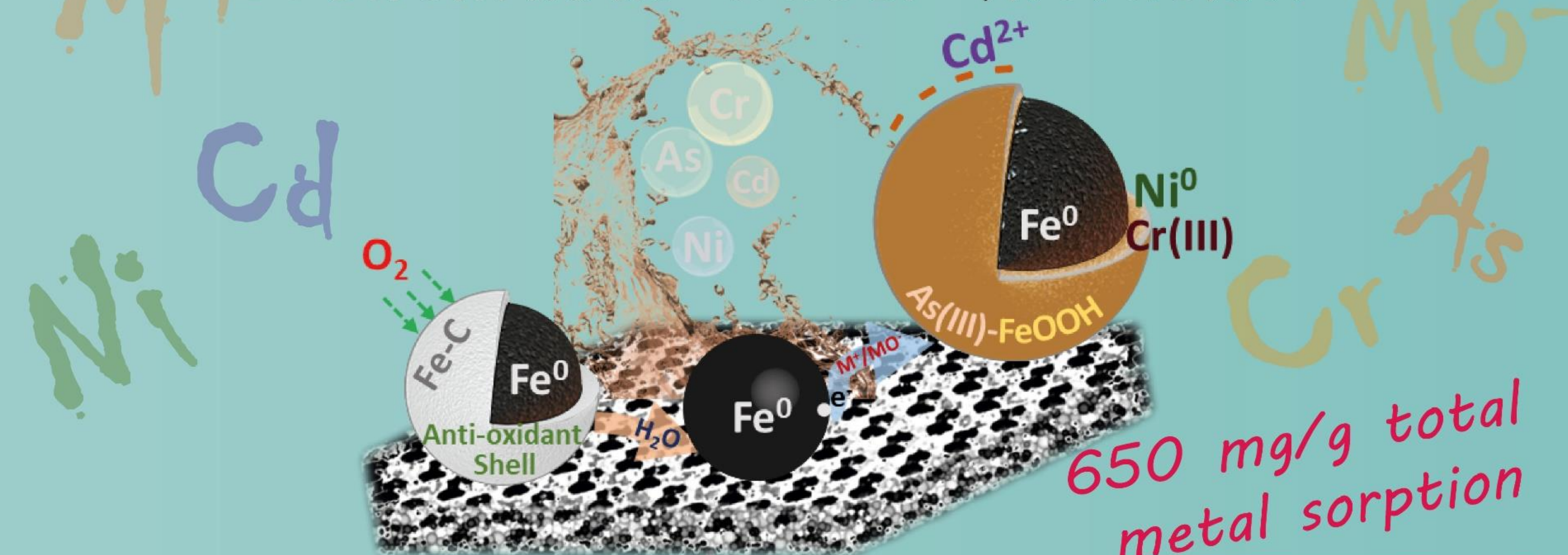
↓ Crushing



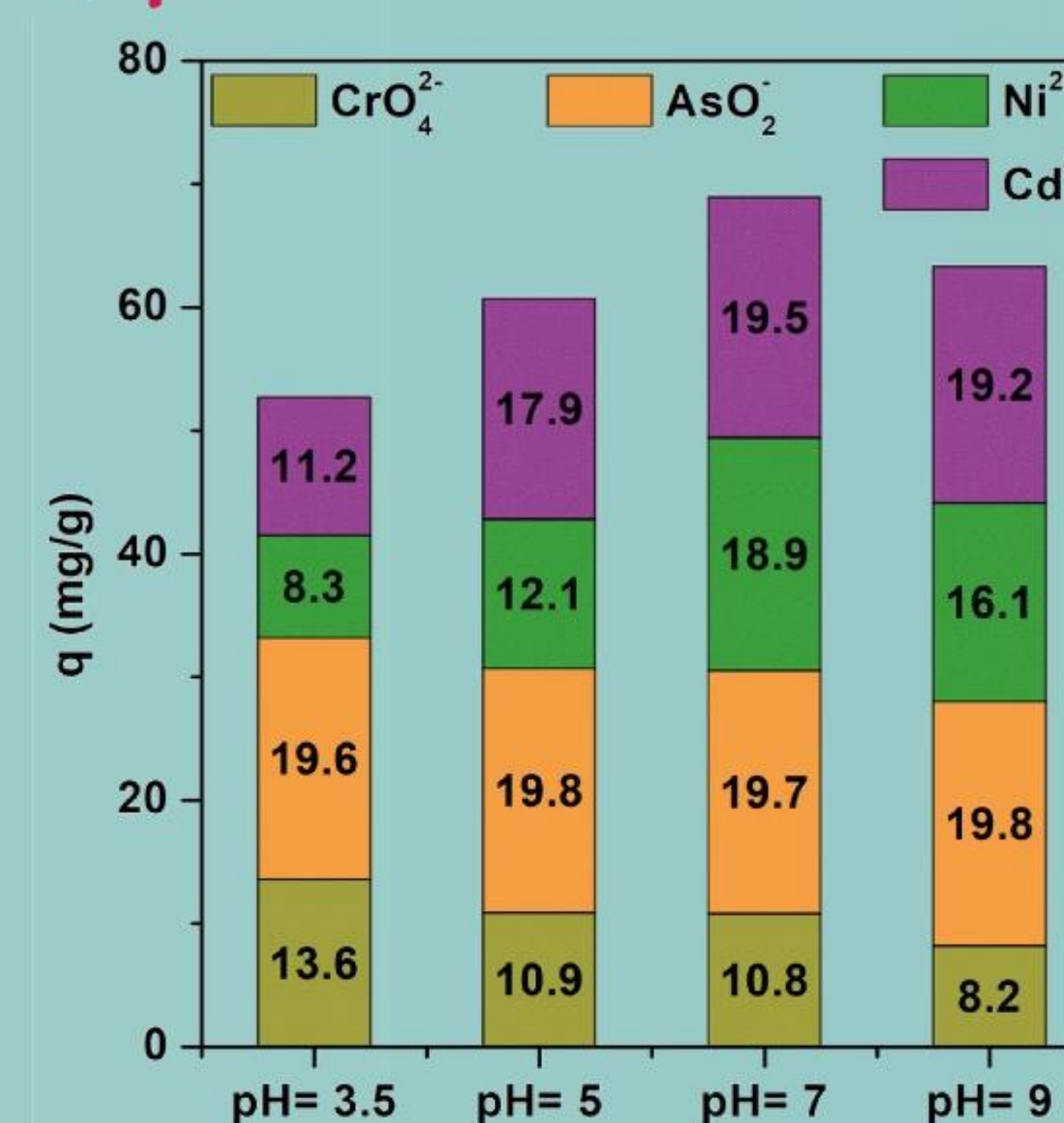
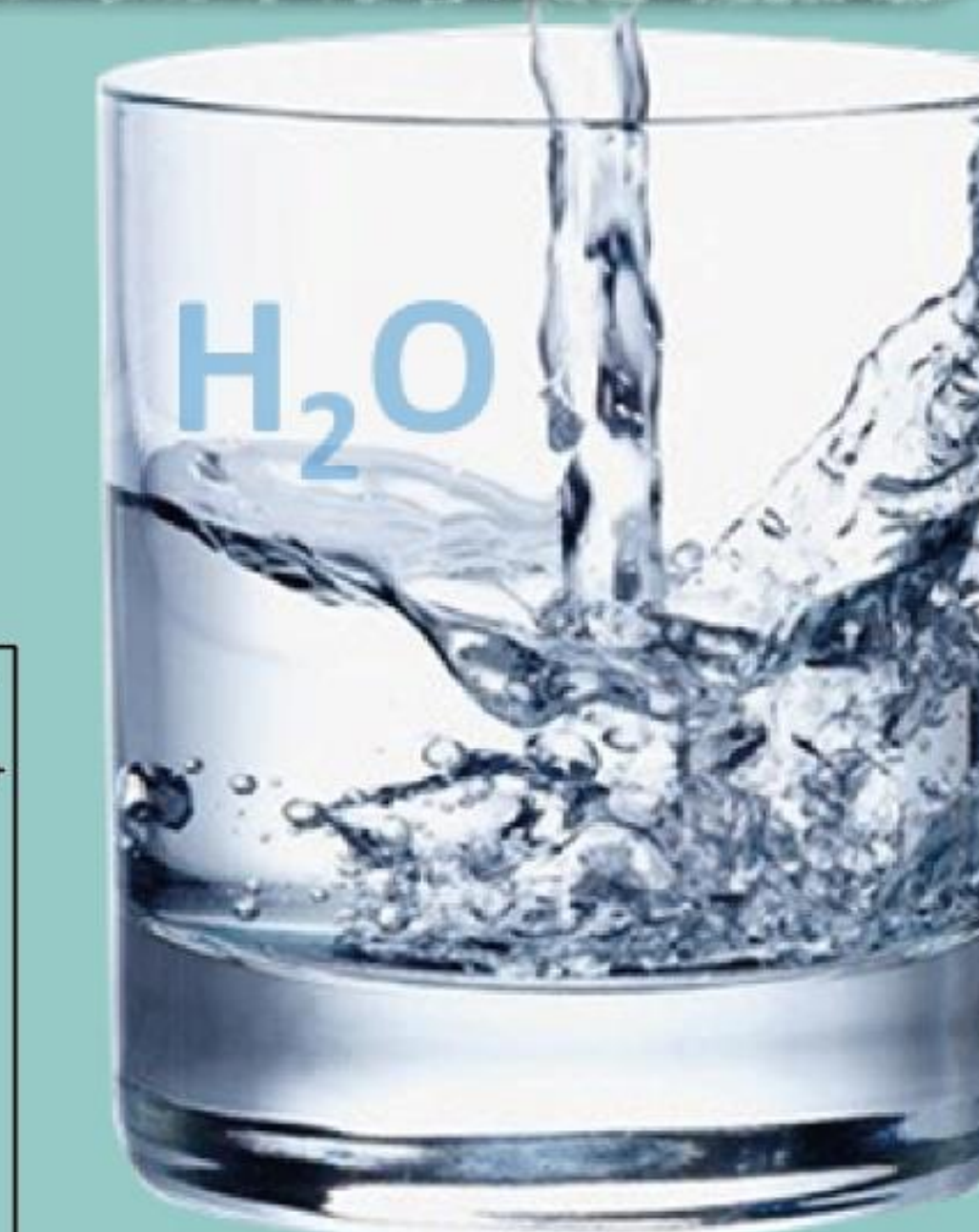
Antioxidant rich skins

Porous shells

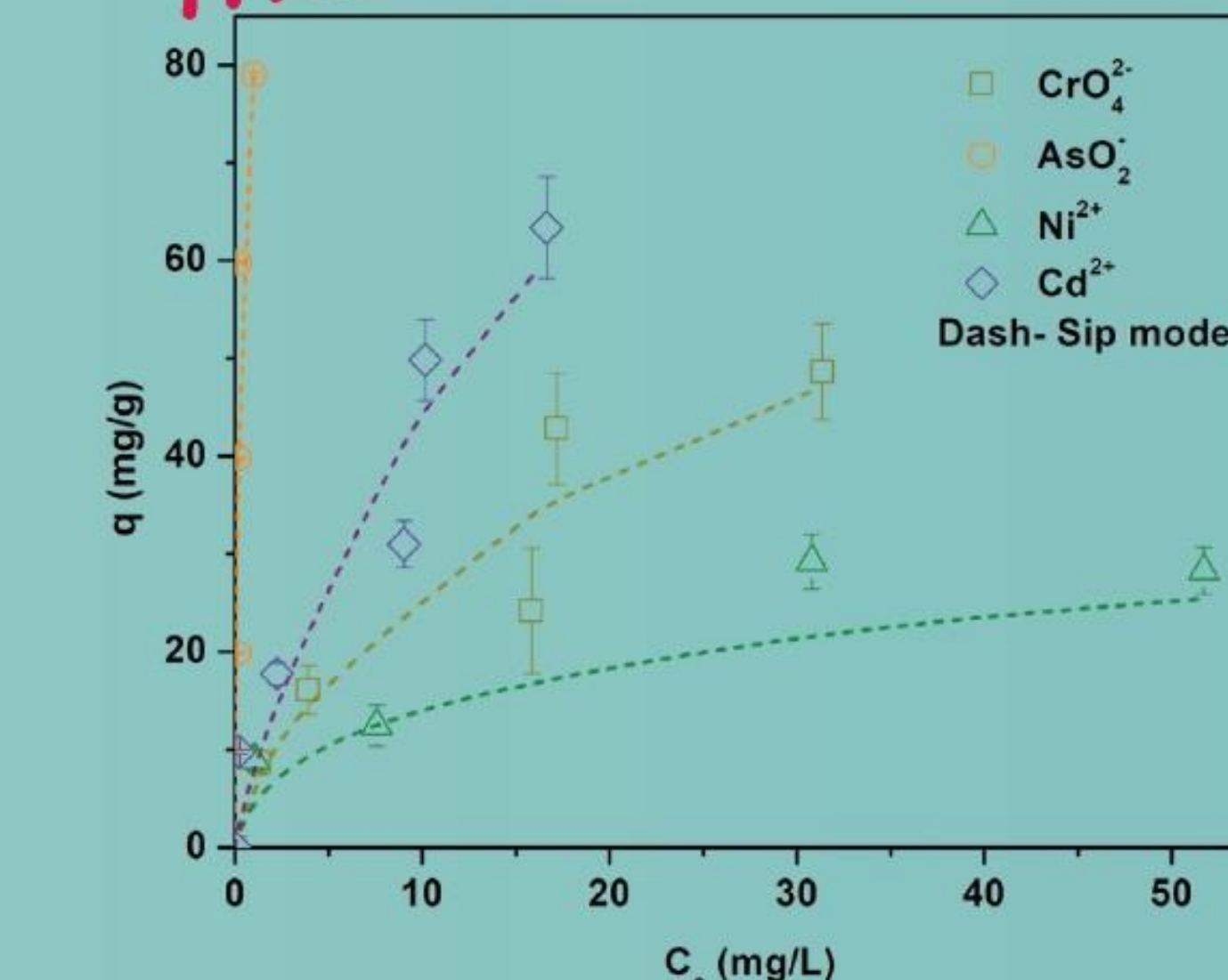
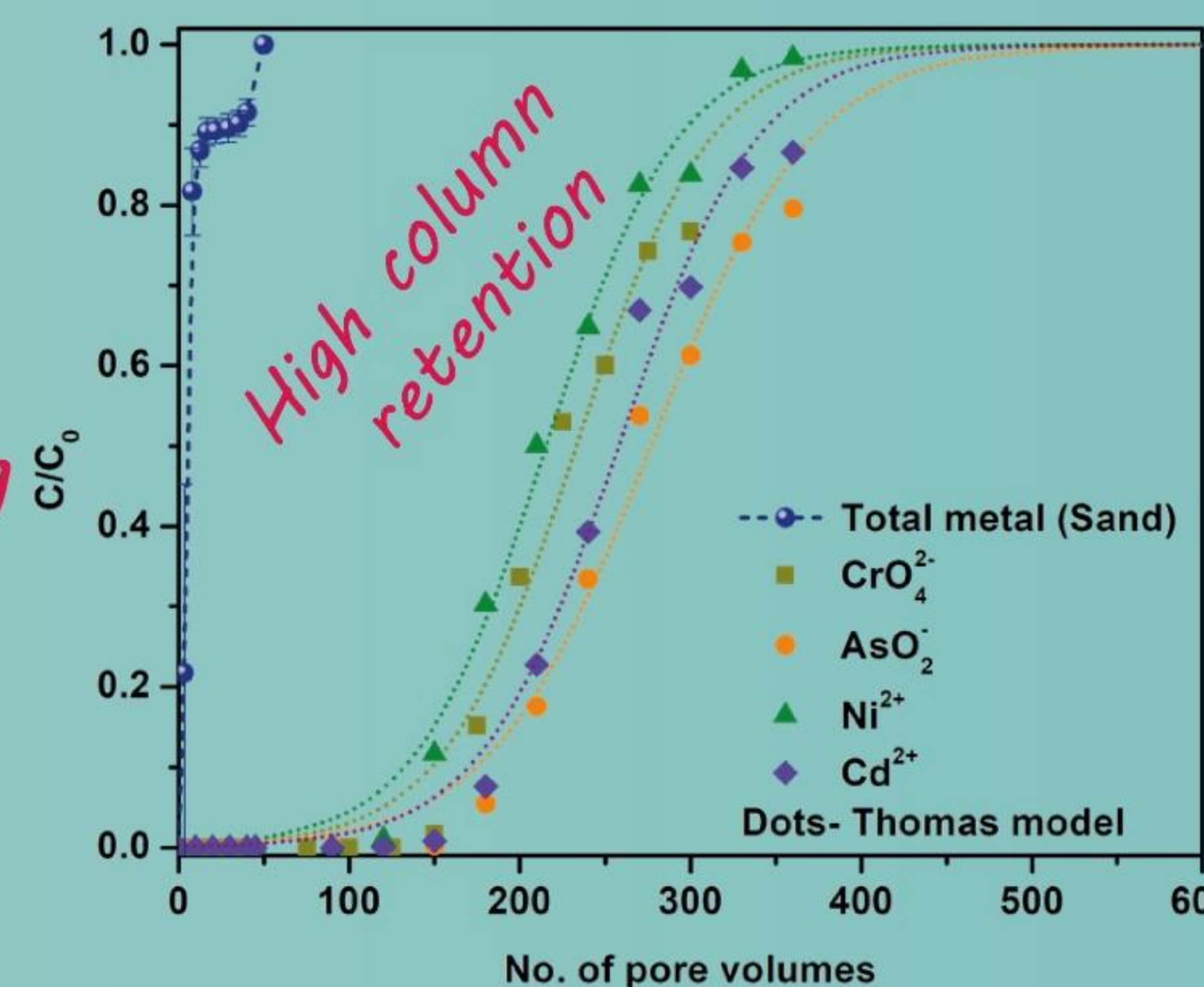
M + Continuous water filtration



Wide pH
applicability



1,00,000 L
clean water/Kg
composite



Curious to know more?

Feel free to contact: @EnviNitin
Email- nkk1ip016@iiserkol.ac.in

Reference:
khandelwal et al. Chem. Commun., 2021,57, 7280