

CAPILLARY ELECTROPHORESIS & BIOPOLYMER APPLICATION LAB

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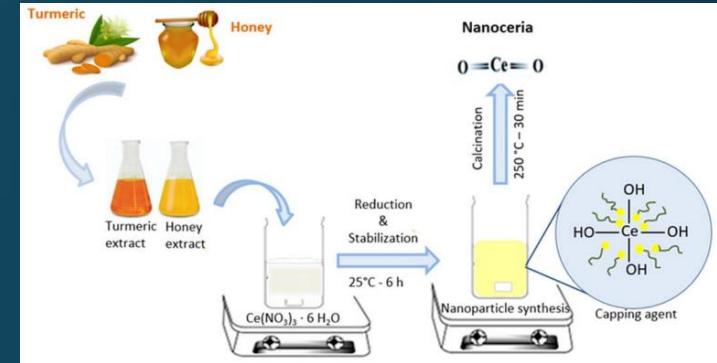
M.Sc., in Chemistry (2013-2015)
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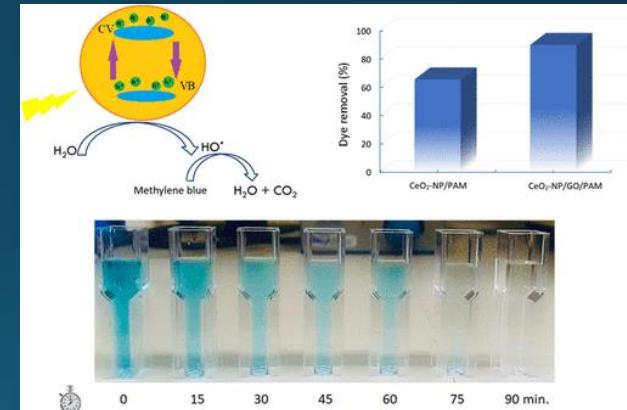
★ Seeking M.Sc. and Ph.D. students
interested in the below research topics!

- ✓ The development of analytical methods with capillary electrophoresis
- ✓ Production of biopolymeric food packaging films incorporated with natural products
- ✓ Production of biopolymeric wound dressings
- ✓ Green synthesis of metal/metal oxide nanoparticles
- ✓ Removal of dyes from wastewater using polymeric/biopolymeric hydrogels
- ✓ Protein-drug/bioactive compound bindings and interactions

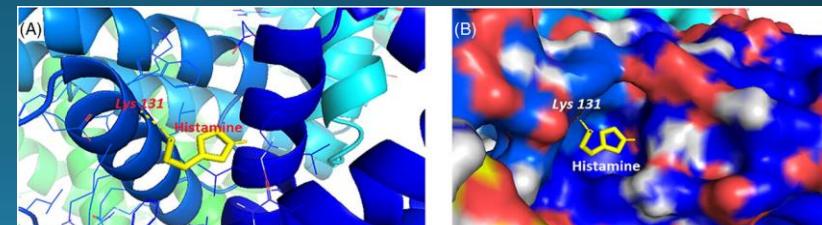
For more information for my scientific papers:
[Google Scholar](#)
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<https://doi.org/10.1088/2043-6262/ac5dc5>



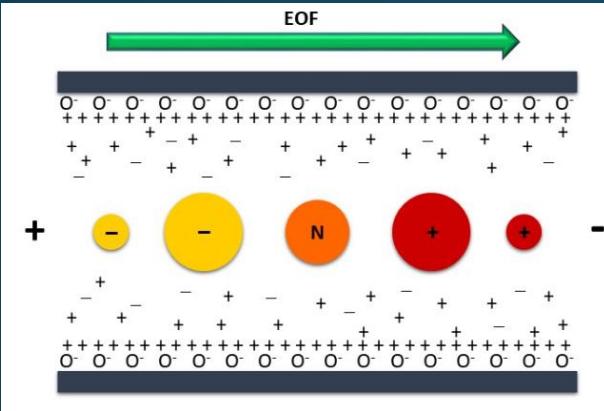
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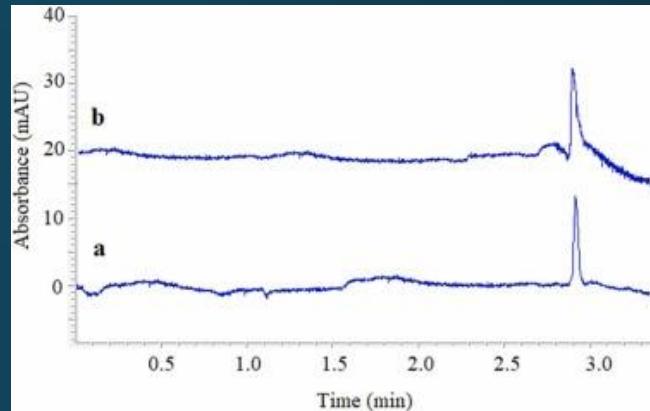
<https://doi.org/10.1002/jssc.202300391>



CAPILLARY ELECTRO-PHORESIS



Capillary electrophoresis separates analytes based on their size-to-charge ratio under electrical field. Electroosmotic flow (EOF) carries all analytes toward the cathode where the detector is placed.



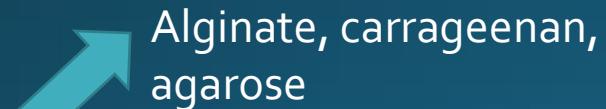
<https://doi.org/10.1016/j.jifca.2023.105425>

Crustaceans



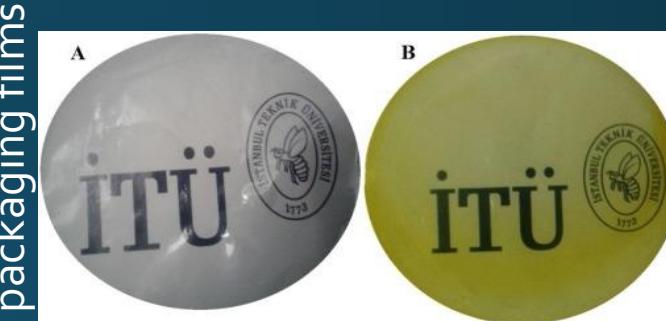
Chitosan

Algae

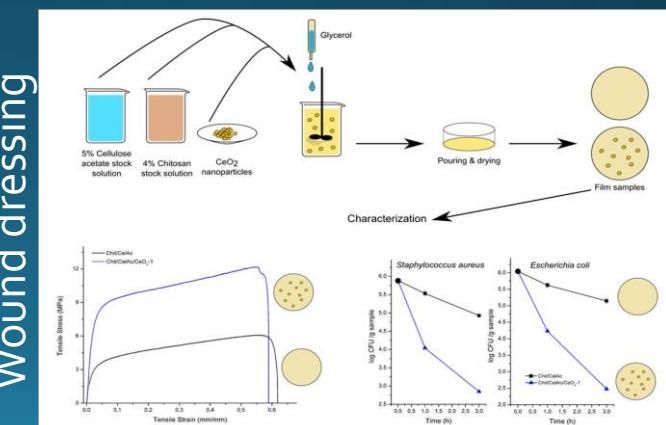


Alginate, carrageenan,
agarose

BIO-POLYMERS



<https://doi.org/10.1016/j.ijbiomac.2017.03.174>



<https://doi.org/10.1016/j.eurpolymj.2020.109777>