

ADSORPTION BEHAVIOR OF CHITOSAN-MWCNTs NANOCOMPOSITE FOR THE ELIMINATION OF OFLOXACIN MEDICATION

Zainab Jasim Khudair ^a and Zeina Mohammad Kadam ^{b*}

^a Department of Science, College of Basic Education, Al-Muthanna University, Al-Qishla str., Samawah, 66001, Iraq

^b Department of Chemistry, College of Science, Al-Qadisiyah University, Um-Alkhail str., Diwaniyah, 58001, Iraq
*e-mail: zeina.m.kadam@qu.edu.iq

Received: 24 April 2024/ Revised final: 17 June 2024/ Accepted: 19 June 2024

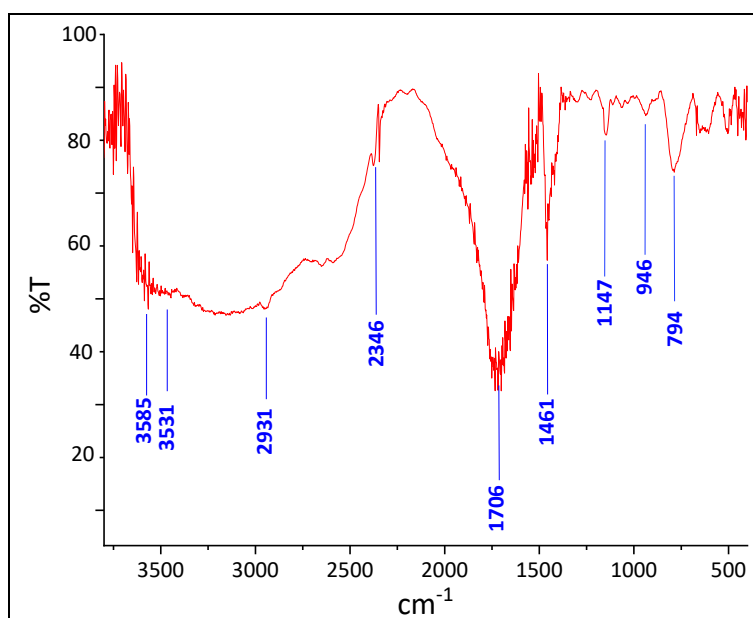


Figure S1. FTIR analysis for p(CS-co-AA)/ MWCNTs.

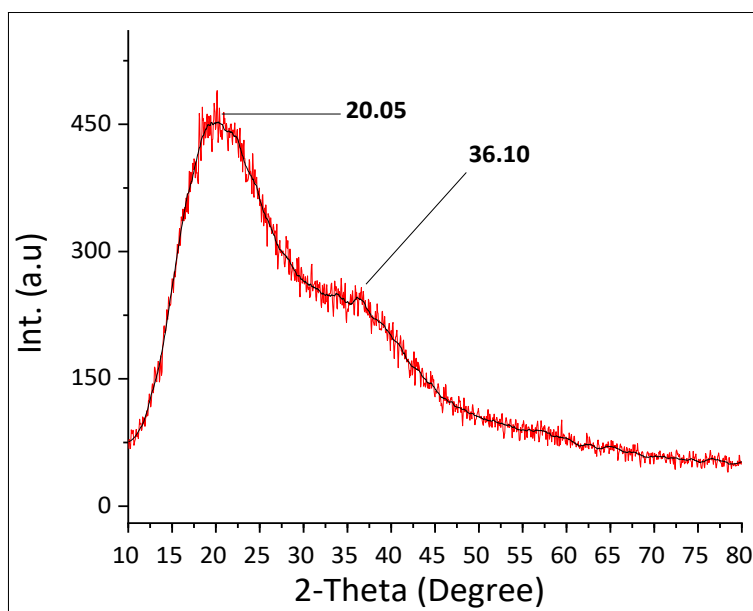


Figure S2. XRD patterns of p(CS-co-AA)/ MWCNTs.

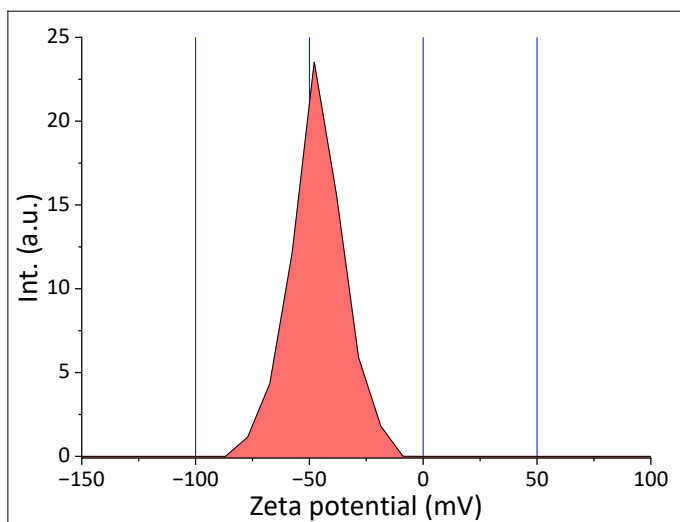


Figure S3. Zeta potential distribution for the p(CS-co-AA)/MWCNTs.

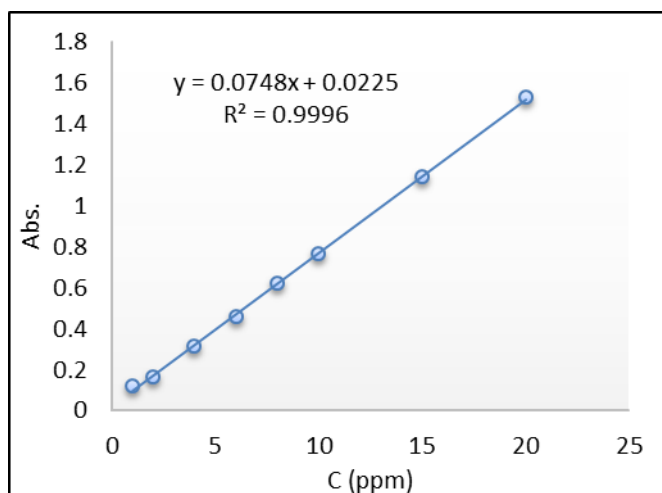


Figure S4. Calibration curve of the OFL drug.

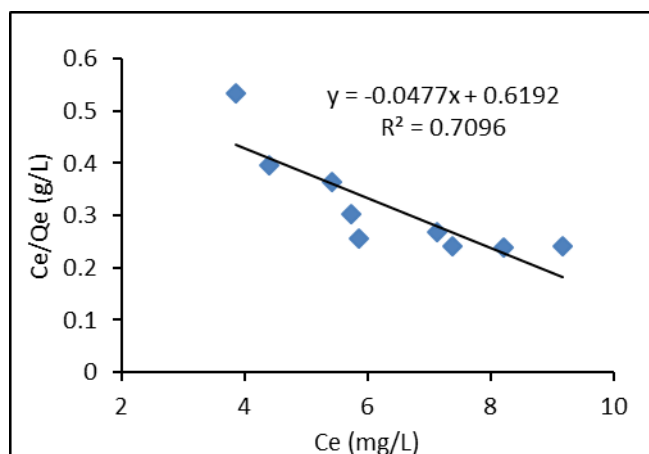


Figure S5. Langmuir plot for adsorption of OFL onto p(CS-co-AA)/MWCNTs at 20°C, 90 min, pH= 7.

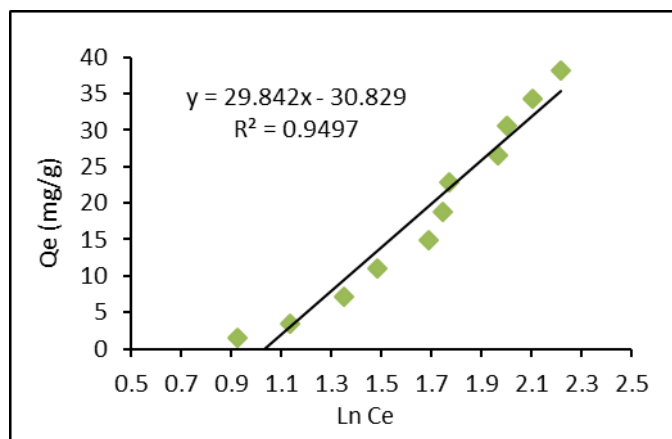


Figure S6. Temkin plot for adsorption of OFL onto p(CS-co-AA)/MWCNTs at 20°C, 90 min, pH= 7.