

**Supporting figures**

***CHLOROPHYTUM COMOSUM*-MEDIATED IRON NANOPARTICLES: AN ECO-FRIENDLY APPROACH FOR ANTIMICROBIAL AND DYE DEGRADATION APPLICATIONS**

**KAYANI REZ<sup>1\*</sup>, RUSTAM A<sup>1</sup>, SALEEM U<sup>1</sup>, BILAL M<sup>1</sup>, BAKHTIAR M<sup>1</sup>, JAMSHAD S<sup>1</sup>, SOHAIL M<sup>2</sup>, FAROOQ K<sup>3</sup>, KHAN S<sup>4</sup>, REHMAN B<sup>2\*</sup>**

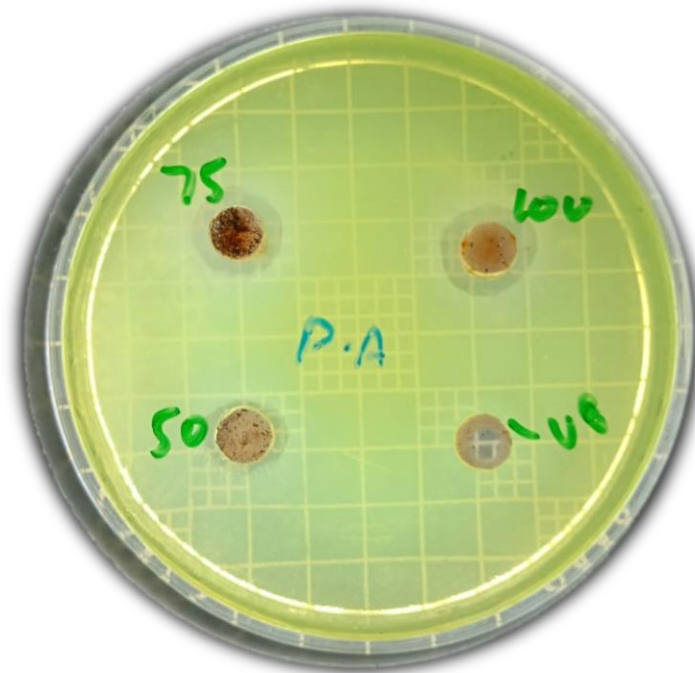
<sup>1</sup>*Department of Allied Health Sciences, Molecular Biology Laboratory, Iqra National University (INU) Peshawar, 25000 Peshawar, Pakistan*

<sup>2</sup>*Department of Health and Biological Sciences, Iqra National University (INU) Peshawar, 25000 Peshawar, Pakistan*

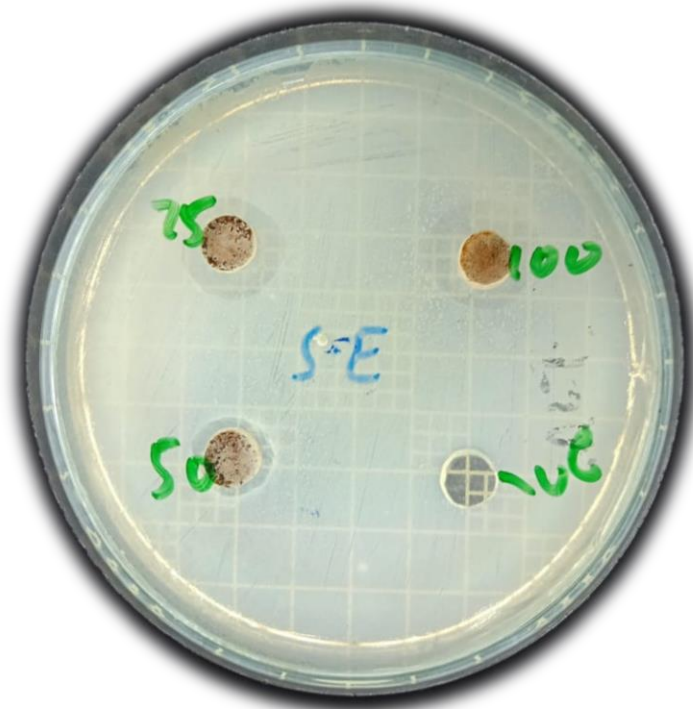
<sup>3</sup>*Department of Pharmacy, Capital University of Science and Technology Islamabad, 4550 Islamabad, Pakistan.*

<sup>4</sup>*School of Resources and Environmental Engineering, East China University of Science and Technology Shanghai, 200237, China*

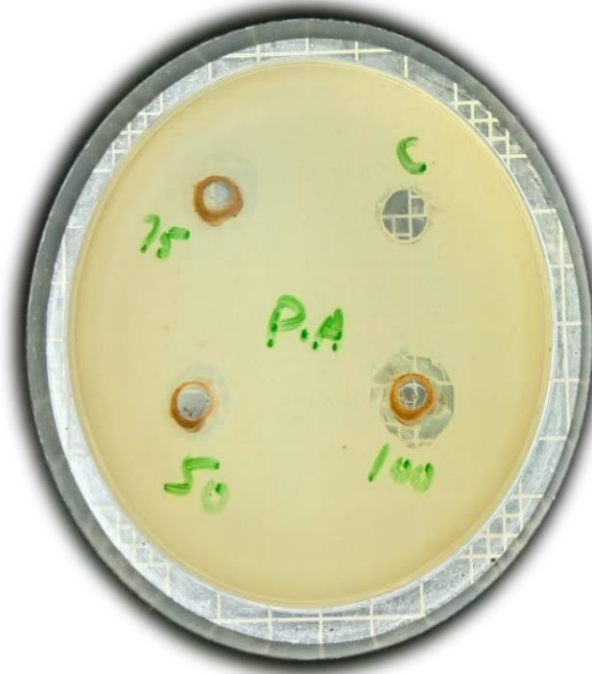
\*Correspondence Author Email Address: [ridakayani04@gmail.com](mailto:ridakayani04@gmail.com); [bushraismael.ismael@gmail.com](mailto:bushraismael.ismael@gmail.com)



**A) *Pseudomonas Aeruginosa***



**B) *Staphylococcus Epidermidis***  
Antibacterial activity of *C.comosum* leaf extract against A and B



**A) *Pseudomonas Aeruginosa***



**B) *Staphylococcus epidermidis***  
Antibacterial activity of *C.comosum* based INPs against A and B.



**A) *Penicillium***





*B) Aspergillus Niger*

**Antifungal activity of *C.comosum* leaf extract against A and B.**



*A) Penicillium*



**B) *Aspergillus Niger***

**Antifungal activity of *C.comosum* based INPs against A and B.**