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Supplementary Material

# Phyto-fabrication of Cobalt Oxide Nanoparticles from *Ocimum Gratissimum* L. Leaf and Flower Extracts and their Antimicrobial Activities

Mohammed Abdi[1], Zekeria Yusuf[1] and J. M. Sasikumar[1,*]

[1]*School of Biological Sciences and Biotechnology, Haramaya University, Ethiopia*

**Table S1. Antimicrobial activity of cobalt oxide nanoparticles from *O. gratissimum.***

| Bioactive Agent | Pathogen Spe | 15µg/ml | 25µg/ml | 35µg/ml | Control/ K |
|---|---|---|---|---|---|
| CoONPs Leaf | *C. albidus* | 22.5 | 23.5 | 30 | 31 |
| | | 20 | 23 | 27 | 30 |
| | | 21 | 24 | 28 | 30.5 |
| | *C. globasa* | 11.5 | 18 | 22.5 | 25 |
| | | 14 | 17 | 25.5 | 26 |
| | | 15 | 17.5 | 23 | 26.5 |
| | *S. aureus* | 12.5 | 15 | 22.5 | 30 |
| | | 12 | 13.5 | 18 | 29 |
| | | 10.5 | 14 | 20 | 30 |
| | *E. coli* | 11 | 13 | 16 | 18 |
| | | 10 | 12.5 | 15.5 | 18.5 |
| | | 10.5 | 12 | 16 | 20 |
| CoONPs fruit | *C.albidus* | 19.5 | 24.7 | 28.9 | 32 |
| | | 16 | 25 | 28.5 | 31.5 |
| | | 20 | 25.5 | 29 | 30 |
| | *C.globasa* | 14.5 | 20 | 24.7 | 26 |
| | | 15 | 24.5 | 25 | 25 |
| | | 14.8 | 19.8 | 25 | 24 |
| | *S.aureus* | 11 | 13 | 17 | 29 |
| | | 11.5 | 13.5 | 20 | 31 |
| | | 12 | 14 | 21.5 | 31.5 |
| | *E. coli* | 10 | 12.5 | 15.5 | 19.5 |
| | | 9.5 | 12.7 | 14.5 | 20 |
| | | 10 | 12 | 15 | 20 |

**Table S2. MIC values of CoO nanoparticles.**

| Pathogens | FMCoONPS | LMCoON |
|---|---|---|
| *E.coli* | 15 | 7.5 |
| *E.coli* | 15 | 15 |
| *E.coli* | 15 | 15 |
| *S. aureus* | 7.5 | 7.5 |

*(Table S2) contd.....*

| Pathogens | FMCoONPS | LMCoON |
|---|---|---|
| *S. aureus* | 7.5 | 7.5 |
| *S. aureus* | 15 | 7.5 |
| *C.globasa* | 3.75 | 3.75 |
| *C.globasa* | 3.75 | 3.75 |
| *C.globasa* | 3.75 | 3.75 |
| *S.albidus* | 3.75 | 3.75 |
| *S.albidus* | 1.88 | 1.88 |
| *S.albidus* | 1.88 | 1.88 |