

# Supplementary Material

## **The Effect of Rotating Magnetic Field on Susceptibility Profile of Methicillin Resistant *Staphylococcus aureus* Strains Exposed to Activity of Different Groups of Antibiotics**

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KF: [karol.fijalkowski@zut.edu.pl](mailto:karol.fijalkowski@zut.edu.pl); + 48 91-449-6714;

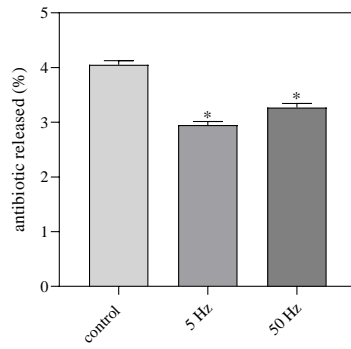
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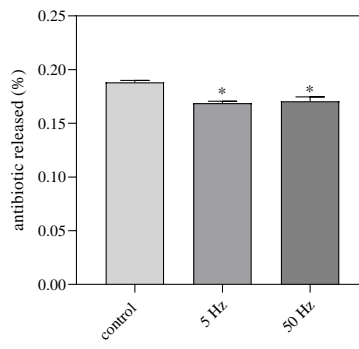
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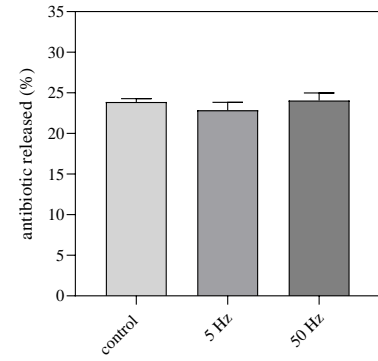
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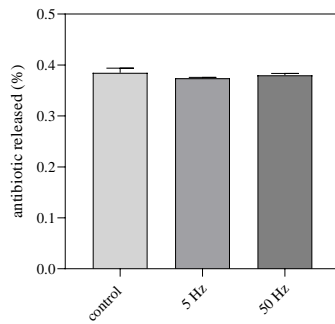


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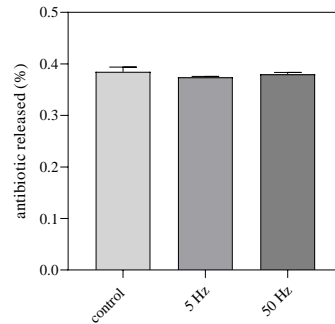
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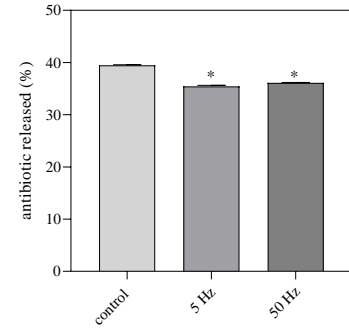
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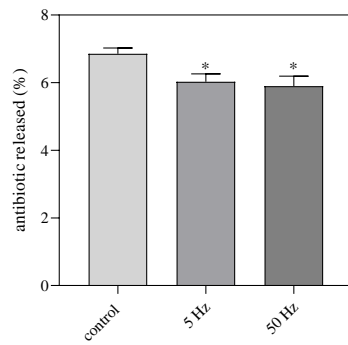


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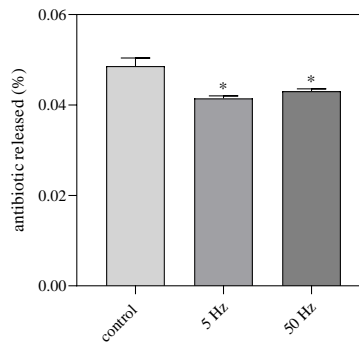
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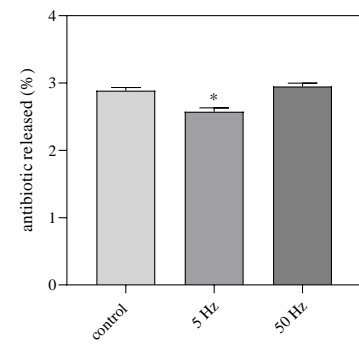
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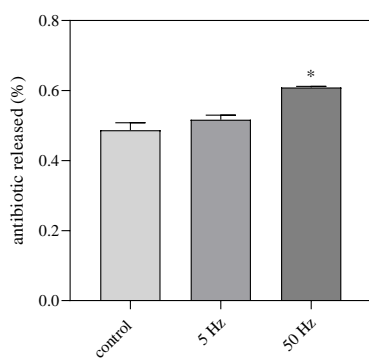


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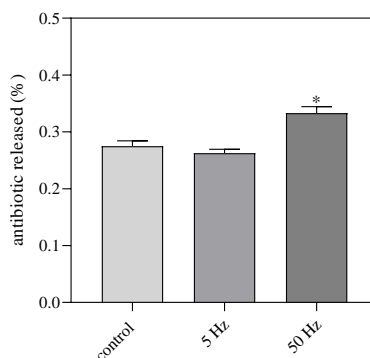
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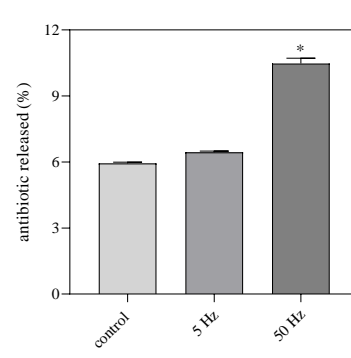
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### Zone 2



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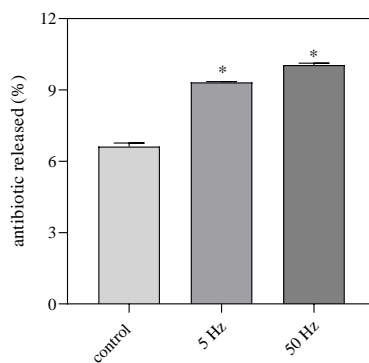


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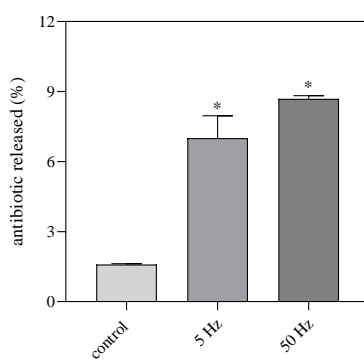
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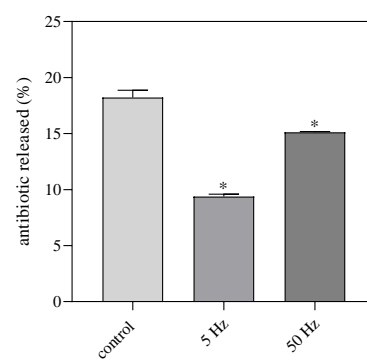
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### Zone 2



### Zone 3

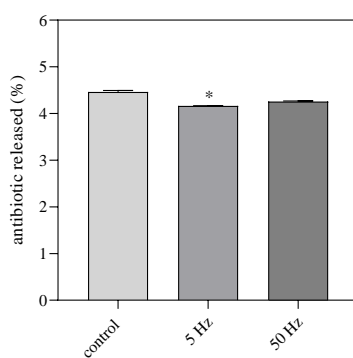


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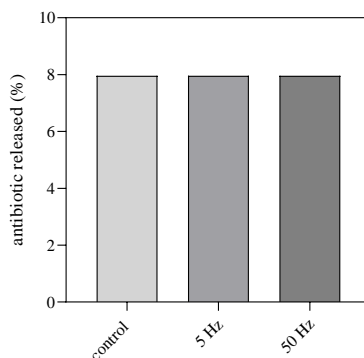
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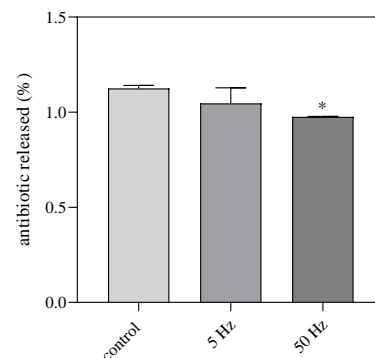
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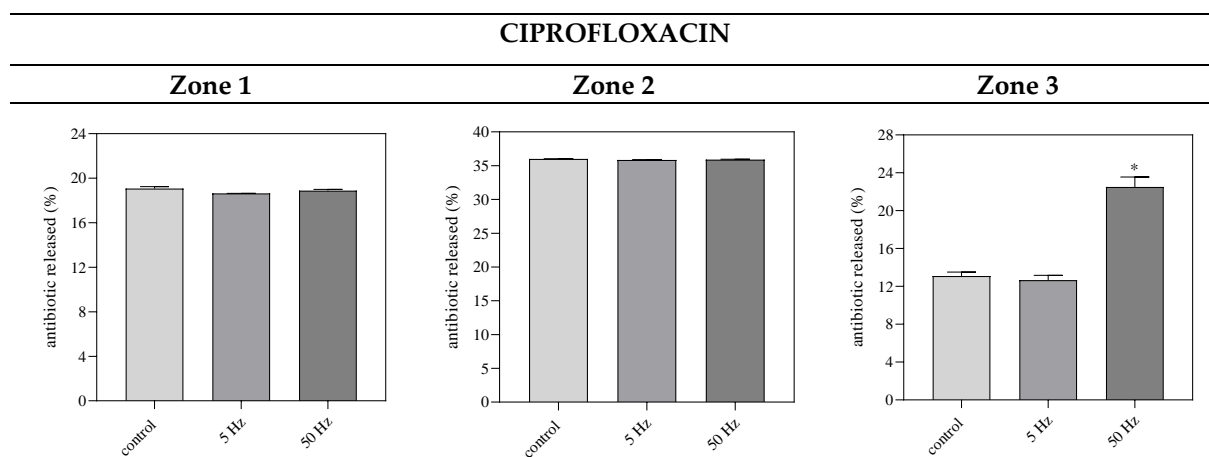


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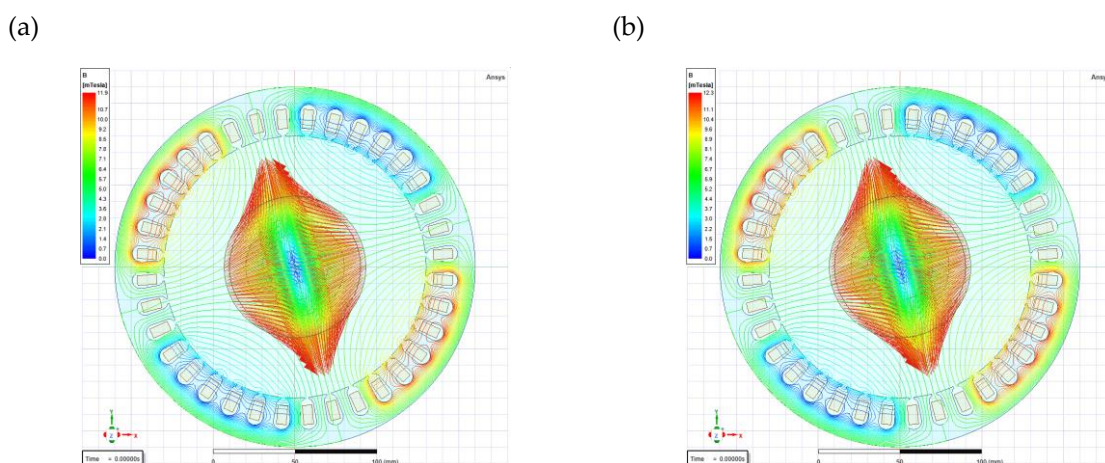


### Zone 3





**Figure S1.** Percentage of antibiotic released from the paper disc during 120 min in control and RMF-exposed (5/50 Hz) settings. The results are presented as a mean  $\pm$  SEM calculated using six values (three from each biological replicate). \* - indicates statistical differences ( $p < 0.05$ ) between control and RMF-exposed settings.



**Figure S2.** Visualization of generated magnetic flux rotation around the stator inside the RMF reactor chamber at (a) [5 Hz](#) and (b) [50 Hz](#) (please click the underlined RMF frequencies to watch the simulation).