



## SDI FINAL EVALUATION FORM 1.1

### PART 1:

|                          |                                                                      |
|--------------------------|----------------------------------------------------------------------|
| Journal Name:            | <a href="#">Microbiology Research Journal International</a>          |
| Manuscript Number:       | Ms_MRJI_41483                                                        |
| Title of the Manuscript: | PSEUDOMONAS AERUGINOSA INFECTION IN HUMANS AND ANTIBIOTIC RESISTANCE |
| Type of the Article      | Review Article                                                       |

### PART 2:

| FINAL EVALUATOR'S comments on revised paper (if any)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Authors' response to final evaluator's comments |
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| <p>The first section focuses on the hospital associated infections and the role of the pathogen, I would like to know if he pathogen is capable of compromising an individual's immune system? As a consequence does it allows the prevalence of secondary infections as a consequence of pathogen's invasion. Does the pathogen spreads through medical devices and other instrument used in the hospital?</p> <p>The author also states the prevalence of infection in various units like the ICU and the burn wards. Is it just hygiene that is prominent or does the immune system of an individual have an important role in making the individual susceptible?</p> <p>Can the author add some points about the genetics of the organism and its relevance to this resistant behavior of the pathogen?</p> <p>Can the author add some points on the significance of genetics in conferring broad spectrum resistance to antibiotics?</p> <p>Is phospholipase C responsible for the heat stable nature of the organism? Dipicolini acid is usually present in endospore. Are they present in <i>Pseudomonas</i>? Does calcium ion in the cell wall also favor the heat stable nature of the organism?</p> <p>If the bacterial proteases are inactivated will it affect the pathogenecity of the organism?</p> |                                                 |

### Reviewer Details:

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|----------------------------------|--------------------------------------------------------------------------------------------------|
| Name:                            | <b>R. Vasudevan</b>                                                                              |
| Department, University & Country | <b>Department of Microbiology, Sai-Sudhir Degree and PG College Degree And Pg College, India</b> |