

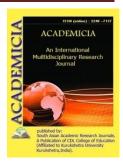
ISSN: 2249-7137 Vol. 11, Issue 10, October 2021 Impact Factor: SJIF 2021 = 7.492



# **ACADEMICIA**

# An International Multidisciplinary Research Journal

(Double Blind Refereed & Peer Reviewed Journal)



DOI: 10.5958/2249-7137.2021.02377.6

## AN OVERVIEW ON THE POTENTIAL OF ANTIBIOTICS

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### **ABSTRACT**

Since the late 1800s, scientists have noticed that the development of certain bacteria inhibits the growth of other germs. Natural anti-bacterials were discovered as a result of these findings of antibiosis between microorganisms. This article discusses key results from many national and worldwide combined organizations' educations on a short overview of antibacterial agent detection in recent years. In India, particularly in the emerging antibiotics, techniques for the appropriate choice of medication are needed to address a complex issue involving prescribers, dispensers, and consumers.

**KEYWORDS:** Antibiotic, Antibiotic resistance, Bacterial Infection.

#### REFERENCES

- **1.** D. V. T. Nair, K. Venkitanarayanan, and A. K. Johny, "Antibiotic-resistant Salmonella in the food supply and the potential role of antibiotic alternatives for control," *Foods*. 2018, doi: 10.3390/foods7100167.
- **2.** B. Li and T. J. Webster, "Bacteria antibiotic resistance: New challenges and opportunities for implant-associated orthopedic infections," *J. Orthop. Res.*, 2018, doi: 10.1002/jor.23656.
- **3.** M. F. Chellat, L. Raguž, and R. Riedl, "Targeting Antibiotic Resistance," *Angewandte Chemie International Edition*. 2016, doi: 10.1002/anie.201506818.
- **4.** J. Suez *et al.*, "Post-Antibiotic Gut Mucosal Microbiome Reconstitution Is Impaired by Probiotics and Improved by Autologous FMT," *Cell*, 2018, doi: 10.1016/j.cell.2018.08.047.
- **5.** B. G. Bell, F. Schellevis, E. Stobberingh, H. Goossens, and M. Pringle, "A systematic review



ISSN: 2249-7137 Vol. 11, Issue 10, October 2021 Impact Factor: SJIF 2021 = 7.492

and meta-analysis of the effects of antibiotic consumption on antibiotic resistance," *BMC Infect. Dis.*, 2014, doi: 10.1186/1471-2334-14-13.

- **6.** R. E. de Lima Procópio, I. R. da Silva, M. K. Martins, J. L. de Azevedo, and J. M. de Araújo, "Antibiotics produced by Streptomyces," *Brazilian Journal of Infectious Diseases*. 2012, doi: 10.1016/j.bjid.2012.08.014.
- **7.** J. J. Segura-Egea *et al.*, "Antibiotics in Endodontics: a review," *International Endodontic Journal*. 2017, doi: 10.1111/iej.12741.
- **8.** A. M. Egorov, M. M. Ulyashova, and M. Y. Rubtsova, "Bacterial enzymes and antibiotic resistance," *Acta Naturae*. 2018, doi: 10.32607/20758251-2018-10-4-33-48.
- **9.** S. Sengupta, M. K. Chattopadhyay, and H. P. Grossart, "The multifaceted roles of antibiotics and antibiotic resistance in nature," *Frontiers in Microbiology*. 2013, doi: 10.3389/fmicb.2013.00047.
- **10.** G. Cheng *et al.*, "Antibiotic alternatives: The substitution of antibiotics in animal husbandry?," *Front. Microbiol.*, 2014, doi: 10.3389/fmicb.2014.00217.