



*Original article*

# Antibacterial activity of Senna alata leaf extracts against coliform bacteria isolated from Bhogdoi river water of Jorhat District of Assam, India

Parbin Iraqui<sup>1</sup>, Debasish Saikia <sup>1</sup>, Sudipto Saikia <sup>1</sup> and Mousumi Bora <sup>1</sup>

<sup>1</sup>Department of Zoology, Bahona College, Jorhat-785101, Assam, India

\*Corresponding author email: parbin4msnr@gmail.com

**Citation:** Iraqui, P.; Saikia, D.;  
Saikia, S.; Bora, M. (2023).  
Antibacterial activity of Senna alata  
leaf extracts against coliform bacteria

**Abstract:** Infectious diseases are increasing day by day due various factors such as climate change, population explosion, antibiotic resistance etc. To treat these diseases synthetic drugs have been used. But use of these drugs gives adverse side effects on human body. So, an alternative way of treating these diseases is a much-needed call of this era. Natural or plant-based medicines could be used in place of synthetic drugs as they are cheaper in price and less or no toxic side effects. North-east India specially Assam is blessed with biological diversity, hence numerous medicinally important plants and herbs are available here. But only a small section of it have been explored