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<p>(51) International classification :A61K0036185000, A61P0031100000, A61Q0017000000, A01N0065080000, A61K0047320000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : <b>1)Mohit Pal</b> Address of Applicant :Assistant Professor, JBIT College of Pharmacy, Dehradun, Uttarakhand, India, Pin Code -248007 ----- <b>2)Ashwani Kumar</b> <b>3)Divyanshi Kothari</b> <b>4)Nida Ali</b> <b>5)Yati Gaur</b> <b>6)Kirti Kumari</b> <b>7)Km Reena</b> <b>8)Santosh Kumar</b> <b>9)Mukesh Kumar</b> <b>10)Dr. Divaker Shukla</b> Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : <b>1)Mohit Pal</b> Address of Applicant :Assistant Professor, JBIT College of Pharmacy, Dehradun, Uttarakhand, India, Pin Code -248007 ----- <b>2)Ashwani Kumar</b> Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, Jaipur National University, Jaipur, Rajasthan, India Pin code: 302017 ----- <b>3)Divyanshi Kothari</b> Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, Jaipur National University, Jaipur, Rajasthan, India, Pin Code: 302017 ----- <b>4)Nida Ali</b> Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, Jaipur National University, Jaipur, Rajasthan, India, Pin code: 302017 ----- <b>5)Yati Gaur</b> Address of Applicant :Assistant Professor, JBIT College of Pharmacy, Dehradun , Uttarakhand, India, Pin Code: 248007 ----- <b>6)Kirti Kumari</b> Address of Applicant :Assistant Professor, JBIT College of Pharmacy, Dehradun , Uttarakhand, India, Pin code: 248007 ----- <b>7)Km Reena</b> Address of Applicant :Department of Pharmacy, Invertis University, Bareilly, Uttar Pradesh, India, Pin Code: 243123 ----- <b>8)Santosh Kumar</b> Address of Applicant :Associate Professor, GMS College of Pharmacy NH-24, Shakarpur, Rajabpur, Amroha, Uttar Pradesh, India, Pin code:244236 ----- <b>9)Mukesh Kumar</b> Address of Applicant :Assistant Professor, Lakshya College of Management and Technology, Bagwara, Seohara, Bijnor, Uttar Pradesh, India, Pin Code: 246746 ----- <b>10)Dr. Divaker Shukla</b> Address of Applicant :Professor, Department of Pharmacognosy and Phytochemistry Laboratory, Faculty of Pharmacy, IFTM University, Lodhipur Rajput, Pakbara, Delhi Road, Moradabad, Uttar Pradesh, India, Pincode-244102 -----</p>
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(57) Abstract :

The present invention relates to the antimicrobial potential of the hydroalcoholic extract of Basella alba stem. Fresh stems were shade-dried, coarsely powdered, and extracted using a Soxhlet apparatus with an ethanol-water solvent system, yielding 8.2% w/w extract. The extract was evaluated for antibacterial activity against Escherichia coli and Bacillus subtilis, and antifungal activity against Candida albicans and Aspergillus niger using the disc diffusion method. Results revealed a concentration-dependent increase in zones of inhibition for all tested microbes, with significant activity observed from 250 µg/disk onwards. The extract exhibited maximum antibacterial activity against E. coli and potent antifungal effects at 1000 µg/disk. These findings indicate that Basella alba stem extract possesses promising broad-spectrum antimicrobial properties, supporting its potential application in herbal therapeutic formulations.

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