

पेटेंट कार्यालय  
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पेटेंट कार्यालय का एक प्रकाशन  
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(54) Title of the invention : SUBSTITUTED PHENOXY PHENYLETHYLIDENE DERIVATIVE AS ANTIMICROBIAL AGENT

<p>(51) International classification</p> <p>:C12R 1/125 A61K 31/18 A61K 31/5377</p> <p>(31) Priority Document No :NA</p> <p>(32) Priority Date :NA</p> <p>(33) Name of priority country :NA</p> <p>(86) International Application No :NA</p> <p>Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA</p> <p>Filing Date :NA</p> <p>(62) Divisional to Application Number :NA</p> <p>Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p><b>1)Dr. Mohit</b></p> <p>Address of Applicant :Associate Professor, Shri Ram Murti Smarak College of Engineering &amp; Technology, Bareilly (Pharmacy), Ram Murti Puram, Bhojipura, 13 K.M., Bareilly-Nainital Highway, Bareilly, U.P., India. Pin Code-243202 Uttar Pradesh India</p> <p>(72)Name of Inventor :</p> <p><b>1)Dr. Mohit</b></p> <p><b>2)Dr. Lalit Singh</b></p> <p><b>3)Dr. Sushil Kumar</b></p> <p><b>4)Dr. Navneet Verma</b></p> <p><b>5)Dr. Ajeet Singh</b></p> <p><b>6)Dr. Rita Mourya</b></p> <p><b>7)Dr. Arun Kumar Mishra</b></p> <p><b>8)Dr Subbiah Ramasamy</b></p> <p><b>9)Dr. Raja Abhilash Punagoti</b></p> <p><b>10)Dr. Abhishek Suman</b></p> <p><b>11)Seema Mahor</b></p> <p><b>12)Deepak Singh</b></p> <p><b>13)Amit Kumar Verma</b></p> <p><b>14)Himanshu Gautam</b></p>
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## (57) Abstract :

Substituted phenoxy phenylethylidene derivatives of Formula I or its pharmaceutically acceptable salt (HG-1 to HG-4) were obtained and screened for antimicrobial activity. The structures of these compounds were established on the basis of M.P, TLC, IR, <sup>1</sup>H-NMR spectral analysis. The target compounds were found to be tested against Bacillus Subtilis (Gram positive), E.Coli (Gram negative) bacteria and Candida albicans, when compared with the reference drugs ampicillin and clotrimazole. Among the compounds tested, (HG-4) showed maximum zone of inhibition 20 mm against B.subtilis.

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