

(54) Title of the invention : THE EFFECT OF THE ESSENTIAL OIL OF CERTAIN SELECTED MEDICINAL LAMIACEAE PLANTS FROM YEMEN ON THE ACTIVITY OF THE GLUCOSIDASE ENZYME

<p>(51) International classification :A61K 089200, A61K 314375, A61K 450600, C11B 090200, G01N 307200</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)Dr. Sanghadeep Sukhadeo Gajbhiye</b>  Address of Applicant :Associate Professor, Viva Institute of Pharmacy, Virar (E) Palghar, Maharashtra, Pin Code: - 401305 -----  <b>2)Mrs. Bhuvaneshwari Yogesh Rane</b>  <b>3)Mrs. Neha Shukla Vyas</b>  <b>4)Mrs. Varsha Raikwar</b>  <b>5)Dr Saurabh Agrawal</b>  <b>6)Ms. Sneha Jaiwant Sawant</b>  <b>7)Dr. Shailesh Yadav</b>  <b>8)Dr Sanjay Mishra</b>  <b>9)Miss. RinkiVishwakarma</b>  <b>10)Dr.Narendra Kumar Nyola</b>  <b>11)Mr. Devender Sharma</b>  <b>12)Dr. Mohd Ruman Khan</b>  Name of Applicant : NA  Address of Applicant : NA  (72)Name of Inventor :  <b>1)Dr. Sanghadeep Sukhadeo Gajbhiye</b>  Address of Applicant :Associate Professor, Viva Institute of Pharmacy, Virar (E) Palghar, Maharashtra, Pin Code: - 401305 -----  <b>2)Mrs. Bhuvaneshwari Yogesh Rane</b>  Address of Applicant :Assistant Professor KYDSCT's College of Pharmacy, Sakegaon - Bhusawal, KBC NMU Jalgaon, Maharashtra, Pin Code: - 425201 -----  <b>3)Mrs. Neha Shukla Vyas</b>  Address of Applicant :Research Associate School of Pharmaceutical Sciences, UTD, RGPV, Bhopal, Madhya Pradesh, Pin Code: 462001 -----  <b>4)Mrs. Varsha Raikwar</b>  Address of Applicant :Associate Professor, Urmila College of Pharmacy, Nh 28 Kotasarai, Faizabad, Uttar Pradesh, Pin Code:224001 -----  <b>5)Dr Saurabh Agrawal</b>  Address of Applicant :Professor, Galgotias College of Pharmacy, Knowledge Park II, Greater Noida, Gautam Buddha Nagar, Uttar Pradesh, Pin Code: 201310 -----  <b>6)Ms. Sneha Jaiwant Sawant</b>  Address of Applicant :Lecturer, Yashwantrao Bhonsale College of Pharmacy, Sawantwadi, Sindhudurg, Maharashtra, Pin Code: 416510 -----  <b>7)Dr. Shailesh Yadav</b>  Address of Applicant :Managing Director, Aayush College of Pharmacy (Applied), E 403 World Bank Barra, Kanpur, Uttar Pradesh. Pin Code: - 208027 -----  <b>8)Dr Sanjay Mishra</b>  Address of Applicant :Professor, Galgotias College of Pharmacy, Knowledge Park II, Greater Noida, Gautam Buddha Nagar, Uttar Pradesh, Pin Code: 201310 -----  <b>9)Miss. RinkiVishwakarma</b>  Address of Applicant :Assistant Professor, Bhagyodaya Tirth Pharmacy College, Sagar, Madhya Pradesh, Pin Code: -470335 -----  <b>10)Dr.Narendra Kumar Nyola</b>  Address of Applicant :Professor &amp; Principal, R.J. World College of Pharmacy Education and Technology, Jakhod, Jhunjhunu, Rajasthan, Pin Code: - 333033 -----  <b>11)Mr. Devender Sharma</b>  Address of Applicant :Professor &amp; Principal, R.J. World College of Pharmacy Education and Technology, Jakhod, Jhunjhunu, Rajasthan, Pin Code: - 333033 -----  <b>12)Dr. Mohd Ruman Khan</b>  Address of Applicant :Professor, Rakshpal Bahadur College of Pharmacy, Near ITBP Camp, Bukhara Turn, Bareilly, Uttar Pradesh. Pin Code: 243001 -----</p>
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(57) Abstract :

THE EFFECT OF THE ESSENTIAL OIL OF CERTAIN SELECTED MEDICINAL LAMIACEAE PLANTS FROM YEMEN ON THE ACTIVITY OF THE GLUCOSIDASE ENZYME  
One or more essential oils, such as thyme, oregano, and/or cinnamon essential oils, may be included in essential oil compositions, optionally in combination with one or more emulsifiers. The extract mentioned before and bacteriocin may be added to the food in that sequence. The creation of one or more ingredients for food on-site is another option. The food-based fermentation of bacteriocin by the dairy starting culture bacterium *Lactococcus lactis* subsp. *lactis*. A food composition, a pharmaceutical composition, a cosmetic product, or a quasi-drug containing said filamentous fungus from a Lamiaceae plant or an extract thereof. In accordance with this approach, the saccharide is in contact with an alpha-glucosidase enzyme, such as transglucosidase, under acceptable conditions, whereupon the enzyme hydrolyzes at least one of the saccharide's alpha-1,3 or alpha-1,6 glucosyl-glucose linkages.

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