

**Published Patent Details 2024-2025**

<b>Sr. No</b>	<b>Name of Faculty</b>	<b>Name of Authors</b>	<b>Title</b>	<b>Publication</b>	<b>Date of / Grant/ Publication / Filing</b>
1	Dr.P.M. Chaudhari	Mr. Suryawanshi Sadanand Govind, Dr.P.M.Chaudhari	Efficacy of <i>Psidium Guajava</i> leaf extract chewing gum in the treatment of Dental abscess	India 202421049045 A	26/07/2024

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/06/2024

(21) Application No.202421049045 A

(43) Publication Date : 26/07/2024

(54) Title of the invention : "EFFICACY OF PSIDIUM GUJAVA LEAF EXTRACT CHEWING GUM IN THE TREATMENT OF DENTAL ABSCESS"

(51) International classification :A61K9/68, A61K36/61,  
A61K47/00  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
1)Mr. Suryawanshi Sadanand Govind  
Address of Applicant :Dr. D Y Patil College of Pharmacy, Akurdi, Pune  
411044 Maharashtra, India -----  
2)Dr. Pallavi M. Chaudhari  
Name of Applicant : NA  
Address of Applicant : NA  
(72)Name of Inventor :  
1)Mr. Suryawanshi Sadanand Govind  
Address of Applicant :Dr. D Y Patil College of Pharmacy, Akurdi, Pune 411044  
Maharashtra, India -----  
2)Dr. Pallavi M. Chaudhari  
Address of Applicant :Dr. D Y Patil College of Pharmacy, Akurdi, Pune 411044  
Maharashtra, India -----

(57) Abstract :  
Dental abscesses are common inflammatory conditions characterized by localized collections of pus within the teeth or gums, often causing severe pain and discomfort. Traditional treatments for dental abscesses include antibiotics, drainage, and sometimes surgical intervention. However, increasing concerns over antibiotic resistance and adverse effects necessitate the exploration of alternative therapeutic options. Psidium guajava, commonly known as guava, has been traditionally used for its medicinal properties, including its antimicrobial and anti-inflammatory effects. The objective of this study is to assess the effectiveness of chewing gum infused with Psidium guajava for treating dental abscesses. Numerous research investigations have illustrated the antimicrobial properties of Psidium guajava against the oral pathogens associated with the development of dental abscesses, such as *Streptococcus mutans* and *Porphyromonas gingivalis*. Additionally, its anti-inflammatory properties may help alleviate the symptoms associated with dental abscesses, including pain and swelling. Furthermore, the utilization of API of guava leaf in the form of chewing gum offers a convenient and patient-friendly method of administration, potentially enhancing patient compliance and treatment outcomes.

No. of Pages : 23 No. of Claims : 4