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(54) Title of the invention : SYNTHESIS OF SILVER NANOPARTICLES USING ZEPHYRANTHES CARINATA WITH IT'S PHARMACOLOGICAL SCREENING

(51) International classification :A61P0035000000, A61K0031198000, E21B0043240000, C08F0265040000, H04W0004120000	(71)Name of Applicant : 1)Mr. Akshay Ashok Thorat Address of Applicant :Rajarambapu College of Pharmacy, Kasegaon, Taklika - Walva, Sangli, Maharashtra - 415409 Sangli ----- ----- 2)Dr. Shrinivas Krishna Mohite 3)Dr. Sandeep Ravindra Kane 4)Mr. Akshay R. Yadav 5)Mr. Vyankatesh R. Dharangutikar 6)Miss. Snehal Sanjay Patil 7)Miss. Arti Sanjay Jadhav 8)Mrs. Deepa Shivaji Yadav 9)Miss. Amruta Sharad Pawar 10)Miss. Smita Prakash Kumalakar Name of Applicant : NA Address of Applicant : NA
(56) International Application No : NA Filing Date : NA	(72)Name of Inventor : 1)Mr. Akshay Ashok Thorat Address of Applicant :Rajarambapu College of Pharmacy, Kasegaon, Taklika - Walva, Sangli, Maharashtra - 415409 Sangli ----- ----- 2)Dr. Shrinivas Krishna Mohite Address of Applicant :Rajarambapu College of Pharmacy, Kasegaon, Taklika - Walva, Sangli, Maharashtra - 415409 Sangli ----- ----- 3)Dr. Sandeep Ravindra Kane Address of Applicant :Rajarambapu College of Pharmacy, Kasegaon, Taklika - Walva, Sangli, Maharashtra - 415409 Sangli ----- ----- 4)Mr. Akshay R. Yadav Address of Applicant :Rajarambapu College of Pharmacy, Kasegaon, Taklika - Walva, Sangli, Maharashtra - 415409 Sangli ----- ----- 5)Mr. Vyankatesh R. Dharangutikar Address of Applicant :Rajarambapu College of Pharmacy, Kasegaon, Taklika - Walva, Sangli, Maharashtra - 415409 Sangli ----- ----- 6)Miss. Snehal Sanjay Patil Address of Applicant :Rajarambapu College of Pharmacy, Kasegaon, Taklika - Walva, Sangli, Maharashtra - 415409 Sangli ----- ----- 7)Miss. Arti Sanjay Jadhav Address of Applicant :Rajarambapu College of Pharmacy, Kasegaon, Taklika - Walva, Sangli, Maharashtra - 415409 Sangli ----- ----- 8)Mrs. Deepa Shivaji Yadav Address of Applicant :Rajarambapu College of Pharmacy, Kasegaon, Taklika - Walva, Sangli, Maharashtra - 415409 Sangli ----- ----- 9)Miss. Amruta Sharad Pawar Address of Applicant :Rajarambapu College of Pharmacy, Kasegaon, Taklika - Walva, Sangli, Maharashtra - 415409 Sangli ----- ----- 10)Miss. Smita Prakash Kumalakar Address of Applicant :Rajarambapu College of Pharmacy, Kasegaon, Taklika - Walva, Sangli, Maharashtra - 415409 Sangli ----- -----
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(57) Abstract :  
The present invention relates to herbal drugs have undesirable pharmaceutical and pharmacological properties, such as low aqueous solubility, irritant properties, method of stability, rapid metabolism, and non-selective distribution. Herbal nanoparticles synthesis is a rapidly growing discipline due to its potential applications in fields such as chemistry, agriculture, and medical research. This study is planned to prepare and examine the effect of silver nanoparticles of whole plant extract of Zephyranthes carinata as an anticancer agent. Silver nanoparticles show different physical and chemical properties compared to their macro-scale analogs. This is primarily due to their small size and, consequently, the exceptional surface area of these materials. Presently, advances in the synthesis, stabilization, and production of AgNPs have a new generation of commercial products and intensified scientific investigation within the nanotechnology field. The use of AgNPs in commercial products is increasing and impacts on the environment and human health are largely unknown.

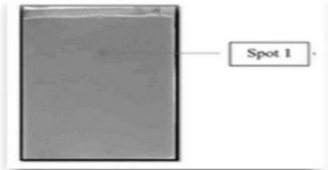


Figure 1

No. of Pages : 16 No. of Claims : 5