(43) Publication Date: 28/03/2025

(19) INDIA

(22) Date of filing of Application :12/03/2025

(51) International classification

(61) Patent of Addition to

(62) Divisional to Application

Application Number

Filing Date

Filing Date

Number

(86) International Application No Filing Date (87) International Publication No

(54) Title of the invention: Method of making and preserving dry flowers

:NA

:NA

:NA

:NA

:NA

:A01N0003000000, A23B0007154000, G06T0007110000,

C12N0001040000, A01N0003020000

(71)Name of Applicant:

1)Swami Vivekananda University

Address of Applicant :Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, Kolkata, West Bengal

700121, India. -Name of Applicant : NA

Address of Applicant : NA (72)Name of Inventor :

1)Dr. Tanmoy Sarkar Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia,

Kolkata, West Bengal 700121, India. --

2)Dr. Sudip Sengupta
Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia,

Kolkata, West Bengal 700121, India. --

Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia,

3)Dr. Suprabuddha Kundu

Kolkata, West Bengal 700121, India. --4)Dr. Parijat Bhattacharya

Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, Kolkata, West Bengal 700121, India. --------

5)Dr. Ria Mukhopadhyay

Address of Applicant: Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, Kolkata, West Bengal 700121, India. ---------

6)Dr. Mahafuzar Rahaman Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia,

Kolkata, West Bengal 700121, India. ---

7)Dr. Anirneeta De

Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, Kolkata, West Bengal 700121, India. --

8)Dr. Animesh Ghosh Bag

Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia,

Kolkata, West Bengal 700121, India. -

9)Mr. Rakesh Das

Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, Kolkata, West Bengal 700121, India. ---------

10)Mr. Tanmoy Majhi

11)Ms. Sayani Bhowmick Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia,

Kolkata, West Bengal 700121, India. ---12)Zinnia Das

Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia,

Kolkata, West Bengal 700121, India. --

13)Arijit Majumder Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia,

Kolkata, West Bengal 700121, India. --

14)Sneha Samanta Address of Applicant: Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, Kolkata, West Bengal 700121, India. ---------

15)Ipsita Biswas

Address of Applicant :Swami Vivekananda University, Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, Kolkata, West Bengal 700121, India. ---

The present invention relates to a method for drying and preserving flowers to enhance their longevity, flexibility, and aesthetic appeal while maintaining their natural color, texture, and fragrance. The method includes selecting fresh flowers, drying them using controlled air drying, silica gel drying, freeze drying, or press drying, followed by a glycerin treatment to retain flexibility. A floral preservative solution is applied to prevent oxidation, discoloration, and microbial growth. The preserved flowers are then sealed in airtight, eco-friendly packaging to protect them from moisture and contaminants. This invention provides an efficient, sustainable, and cost-effective approach to producing high-quality dried flowers for applications in home décor, gifting, weddings, aromatherapy, crafts, and culinary use, ensuring an extended shelf life and marketability in various industries.

No. of Pages: 16 No. of Claims: 8