

**Plant regeneration via organogenesis and somatic embryogenesis in
Tylophora indica- an important medicinal plant**

Thesis submitted in partial fulfillment for award of the degree

of Master of Science in Biotechnology

By

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CANDIDATE'S DECLARATION

I hereby declare that the work presented in thesis entitled, “ **Plant regeneration via organogenesis and somatic embryogenesis in *Tylophora indica*- an important medicinal plants**” in partial fulfillment for the award of degree of Master of Science in Biotechnology and Environment Sciences, Thapar University, Patiala, is an authentic record of my own work done during the period of six months from January 2013 to July 2013, under the guidance of Dr. Manju Anand, Assistant Professor, Thapar University, Patiala. I have not submitted the matter embodied in this thesis for the award of any other degree or diploma.

DATE:

PLACE: Patiala

Hardeep kaur

CERTIFICATE

This is to certify that the thesis entitled, “**Plant regeneration via organogenesis and somatic embryogenesis in *Tylophora indica*- an important medicinal plant through tissue culture**” submitted by Hardeep Kaur in partial fulfillment of the requirements for the award of degree of Masters of science in Biotechnology to Thapar University, Patiala, is an authentic record of student’s own work carried out by her during the period of six months from January 2013 to July 2013, under our supervision and guidance. This report has not been submitted for the award of any other degree or certificate in this or any other University or Institute.

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HARDEEP KAUR

ABBREVIATIONS

1. A°	Angstrom
2. BAP	Benzylaminopurine
3. BMS	Basal Murashige and Skoog's medium
4. °C	Degree Celsius
5. 2,4-D	2,4-dichlorophenoxy acetic acid
6. IAA	Indole-3-acetic acid
7. IBA	Indole--3 butyric acid
8.2-ip	2-isopentenyl adenine
9. K	Kinetin
10. NAA	Naphthalene acetic acid
11. TDZ	Thidiazuron
12. μM	micromolar

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