

**TO ELUCIDATE THE REGULATION OF
GENE EXPRESSION IN RESPONSE TO
CADMIUM STRESS IN RICE (*Oryza sativa*)**

OMICSGEN LIFE SCIENCE PVT.LTD,KOCHI

Internship report submitted in partial fulfillment of the
requirements for the award of

MASTER OF SCIENCE IN BIOTECHNOLOGY

BY

VICTORIA JENNIFER CRASTA (229229)



ESTD : 1880

**DEPARTMENT OF POST GRADUATE STUDIES AND
RESEARCH IN BIOTECHNOLOGY**

ST.ALOYSIUS (DEEMED TO UNIVERSITY)

MANGALORE- 575003

MAY 2024

ಸೇಂಟ್ ಅಲೋಶಿಯಸ್ ಕಾಲೇಜು
(ಸ್ವಾಯತ್ತ)
ಸೇಂಟ್ ಅಲೋಶಿಯಸ್ ಕಾಲೇಜು ರಸ್ತೆ,
ಮಂಗಳೂರು 575 003
www.staloysius.edu.in



ST ALOYSIUS COLLEGE(AUTONOMOUS)
ST ALOYSIUS COLLEGE ROAD
MANGALURU - 575 003
Phone: 0824-2449700, 2449701
Fax: 0824-2449705
Email: principal_sac@yahoo.com



Re-accredited by NAAC with 'A++' Grade - CGPA 3.62
Ranked 94 in College Category by NIRE, MHRD, Government of India.
Recognised by UGC as "College with Potential for Excellence"
College with 'STAR STATUS' conferred by DBT, Govt. of India.

CERTIFICATE

This is to certify that the project entitled "**To elucidate the regulation of gene expression in response to cadmium (Cd) stress in rice (*Oryza sativa*)**" is a bonafide work carried out by **Victoria Jennifer Crasta (229229)** at OmicsGen LifeSciences Pvt Ltd

The same is being submitted Post Graduation Department of Biotechnology, St Aloysius College in partial fulfillment of the requirement for the award of **Master of Science Biotechnology**, No part of this thesis has been presented for the award of any other degree.

Examiners:

1.  28/5/24
2.  25/5/24


DR. SITHAGALATHA SIVARNA J
Name and Signature of the HOD

Head
Post graduate Department of Biotechnology
St. Aloysius College, Mangalore

OmicsGen LifeSciences Pvt Ltd
Kinfra HiTech Park, Plot No. 32E,
Opp. Government Medical College,
HMT Colony, North Kalamassery,
Kalamassery, Kochi,
Kerala - 683503
Ph. +91 6282796938
Tel: 0484 2979488
www.omicsgen.com



30th October 2023

CERTIFICATE

This is to certify that the dissertation entitled " **To elucidate the regulation of gene expression in response to cadmium (Cd) stress in rice (Oryza sativa)**" is a bonafide record of the original research work done by Ms. Victoria Jennifer Crasta, St. Aloysius College (Autonomous), Mangaluru in partial fulfillment of the requirement for the award of 'Degree of Master of Science in Biotechnology, during the period - 6th June 2023 to 10th July 2023. The work was done under my direct supervision & guidance; also reported work has not formed the basis for the award of any other Degree/ Diploma/ Associateship/ Fellowship or other similar title to any candidate of any University.

The work mentioned above is the sole property of **OmicsGen LifeSciences Pvt.Ltd.** and the work cannot be published in any journals without the written consent of the supervising guide.

Dr. Beena P S, PhD.

Director



Registered Address:
OmicsGen LifeSciences Pvt Ltd
V1/326B, Pallilankara, HMT Colony
POKalamassery, Ernakulam,
683503