FDP
on
Real time PCR based analysis in Health and Agriculture

REPORT

No. of participants: 31

DATE AND VENUE: 05th to 09th February, 2019, Department of Plant biotechnology, Centurion University of Technology and Management (CUTM), Paralakhemundi campus.

Resource person: **Dr. Goutam Kumar Dash**

Dr. Goutam Kumar Dash is currently working as Research Associate at ICAR-National Rice Research Institute, Cuttack, Odisha, where he has been engaged in the study of

ABOUT THE SESSION:

The real-time PCR technique is one of the emerging techniques that have become the method of choice for quantification of DNA and RNA levels in cells, tissues and tissue biopsies. A **real time polymerase chain reaction** is a laboratory technique of molecular biology based on the polymerase chain reaction (PCR). Applications include the detection, quantification and genetic typing of microorganisms, bacterial agents, viral agents, parasites, fungi and protozoa, cancer diagnosis, point mutation analysis, quantitative transcript analysis, prenatal diagnosis, exon deletion and gene amplification screening, fusion gene analysis, genome mapping.

A five day FDP was organized by the department of Plant Biotechnology under M.S.Swaminathan School of Agriculture to impart knowledge on the use of real time PCR in health and agriculture and the FDP witnessed the participation of 31 participants from the departments of Biotechnology, Plant pathology and Biochemistry and Crop Physiology.

The FDP emphasized on meeting the following objectives:

➢ Preparation of reagents and extraction of pure RNA for RT PCR
➢ Synthesis of cDNA and primer designing
➢ Handling of RT PCR
➢ Trouble shooting during the operation
➢ Analysis of results and interpretation of data

The participants were of the opinion that the FDP was truly informative and contributed immensely in understanding the principles of RT PCR thereby paving a way towards designing experiments for transcriptomic studies.

CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA

FDP

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Real Time PCR based Analysis in Health and Agriculture

05.02.2019 – 09.02.2019

ATTENDANCE SHEET

Sl. No.	Name	Signature
1	Dr. Tanmoy Shankar	Tanmoy Shankar
2	Dr. Raghu Gogada	Raghu Gogada
3	Dr. Koustava Kumar Panda	K. K. Panda
4	Dr. Puspalatha G	
5	Dr. Dinkar Gaikwad	Dinkar Gaikwad.
6	Dr. G.V.Ramana	G.V. Ramana
7	Dr.Jayakishan Meher	Jayakishan Meher
8	Dr. B.Praveen	
9	Dr. Abhinandita sahu	Ab. Sinandita Sahu
10	Ms. Deepti	Deepti
11	Dr. Preetha Bhadra	Preetha Bhadra.
12	Dr. Narayan Gouda	Narayan Gouda
13	Dr.Dojalisa Sahu	Dojalisa Sahu
14	Mr.Kartik Paramanik	Kartik patteria
15	Ms. M.Roja	MRoja
16	Ms. Gyanabharati Palei	Gyanabharati Palei
17	Dr. Priyadarshini Mohapatro	Priyadarshini mohapatro

18	Dr.Pratibha Rani Deep	
19	Dr. Rahul Adhikari	
20	Ms. Madhuri Pattnaik	
21	Ms. Manu Priyanka	
22	Dr. Srihema gampala	
23	Dr. Prabhat Kumar Singh	
24	Dr. Ranjan Kumar Sahoo	
25	Dr. Debanjana Saha	
26	Mr. Chinmaya Jena	
27	Mr. Abhilash Behera	
28	Mr. Sambid Swain	
29	Mr. Mohon Satyakar Rao	
30	Ms. Pili Manasa	
31	Dr. Sasmita Priyadarshini Dash	

Dr. Prasanta Ku. Mohanty
Dean Academic

Prof. KVD Prakash
Dean - IIE & HRD