



PONDICHERRY UNIVERSITY

Department of Food Science and Technology

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Invited talk and demonstration on “Introductory demonstration on Multivariate Analysis and Design of Experiments in Chemometrics and Spectroscopic Application”.

Resource person:

Bhanu Prakash R, Scientific Advisor

SCIENCE4U Analytics and Research Solutions Pvt. Ltd., Bangalore



Science 4U

Brief bio data of the speaker:

Instrumentation & Electronics Engineer, Expert in Applied Statistics for various industries and a expert in International business having and industry experience of over 20 years during which have worked with leading scientific software products companies like MATLAB, SPSS, SigmaPlot, PeakFit, SYSTAT and CAMO. Have worked with chemometrics company CAMO for more than 12 years and in the field of Chemometrics for more than 15 years during which have provided training's and expert consulting services to many industries, universities and institutes. Now at SCIENCE4U working as one of the key member of the QbD & PAT team mostly involved with Spectroscopic methods like NIR, RAMAN and hyperspectral imaging systems that uses chemometrics for various applications.

About Science 4u

Science 4u provides Data Analysis, Statistical Analysis and Interpretation of results for Scientific and Research Thesis/Project/Report work: Statistical analysis is necessary in most scientific research and needs a good applied statistical approach to find interesting observations in the data to take a better decision and improvements. Science 4U can assist you with reliable statistical analysis using some of the leading software used in research and industry.

During this two following aspects will be covered:

- Introduction to multivariate data modeling and chemometrics.
- Principal Component Analysis (PCA), Principal Component Regression (PCR), Partial Least Squares Regression (PLS)
- Spectroscopic Pretreatments, Detecting and dealing with outliers
- Calibration, validation, Prediction
- Demonstration of DOE (with an example from food industry)

Date and Time: 30th October 2017 at 14:30 Hrs.

Venue : Library Conference Room, Annex Library Building.

ALL ARE WELCOME

Prathap Kumar Shetty
Signature

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