

INTERNATIONAL CONFERENCE
on
Importance of Statistics in Global Emerging Scenario
(ISGES 2020); (January 02-04, 2020)

Organized by
Department of Statistics, Savitribai Phule Pune University
in conjunction with
22nd Annual Conference of the Society of Statistics, Computer and
Applications

Day 1: January 02, 2020: Thursday

08:30-09:30: Registration & Breakfast (Department of Statistics)

08:45-09:30: Executive Council Meeting (Department of Statistics)

9:45-10:30 Inaugural Function (Seminar Hall, Department of Commerce)

Key Note Address: (Seminar Hall, Department of Commerce)

Chair: Prof. J.V. Deshpande

10.30-11.15: Prof. H.L. Koul, Michigan State University, USA

**(Weighted Empirical Minimum Distance Estimators in Berkson
Measurement Error Regression Models)**

11:15-11:30: **Tea Break**

Plenary Talks Session: (Seminar Hall, Department of Commerce)

Chair: Prof. Bikas K Sinha

11.30-12.00: Prof. Ashis Sen Gupta, ISI, Kolkata, India; Augusta University, Augusta, USA
and Middle East Technical University, Ankara, Turkey

(Statistical Learning for Big Data)

12.00-12.30: Prof. Tamra Brodrik, MIT, USA

(Approximate Cross Validation for Large Data and High Dimensions)

12.30-13.00: Prof. Sanjeev Sabnis; Department of Mathematics, IIT Bombay, Mumbai,

**(Parameter Estimation for Multi-state Coherent Series and Parallel System
with Positively Quadrant Dependent Models)**

13.00-13.30: Prof. K. Muralidharan, Department of Statistics, Faculty of Science, The
Maharajah Sayajirao University of Baroda, Vadodara, India

(Temporal Point Process Models and its Applications)

13:30-14:15: **Lunch Break (Department of Statistics)**

Professor C.R. Rao Birth Centenary Lecture Session: (Seminar Hall, Department of Commerce)

Chair: Prof. V.K. Gupta

14.15-14.45: Prof. Saumyadipta Pyne, University of Pittsburgh, USA

(On Weighted Distributions and Applications)

14.45-15.15: Prof. Bikas K Sinha, Former Member, NSC & Former Professor ISI Kolkata

(Status of Small Sample Experimental Designs for fMRI Studies)

15.15-15.45: Prof. David D. Hanagal, Symbiosis Statistical Institute, Symbiosis International University, Pune

(Correlated Inverse Gaussian Frailty Models Based on Reversed Hazard Rate)

15.45-16.15: Prof. Rajender Parsad, IASRI, New Delhi

(Data Management in Indian Agricultural Research and Development)

16:15-16:45: **Tea & Group Photo (Department of Commerce)**

Invited Parallel Session-1(A) (Room No. 1, Department of Statistics)

Applied Statistics:

Chair: Prof. K. Muralidharan

16.45-17.15: Prof. C.T. Jose; ICAR- Central Plantation Crops Research Institute, Regional Station, Vittal-574243 Karnataka, INDIA

(Study of Climate Change - A Data Driven Approach)

17.15-17.45: Dr. Tirupati Rao Padi, Professor, University of Pondicherry, Puducherry

17.45-18.15: Prof. D.N. Kashid, Department of Statistics, Shivaji University, Kolhapur, Maharashtra, India

(Subset Selection in Linear Regression in Presence of Anomalies in Data)

18.15-18:45: Prof. Rituparna Sen, ISI, Chennai

(Granger Causality in Yield Curves of Different Markets)

Invited Parallel Session-1(B) (Room No. 3, Department of Statistics)

Reliability Optimization:

Chair: Prof. David D. Hanagal

16.45-17.15: Prof. S.C. Malik, Department of Statistics, M.D. University, Rohtak-124001.

(On Bounds of Duplication Paths for High Reliability Structure of a Non Series-Parallel System of (m, n_c, l) Order)

17.15-17.45: Prof. V.S. Vaidyanathan, Department of Statistics, Pondicherry University, Puducherry-605 014, India

(Inferential Aspects of a Three-unit hot Standby System with Dependent Structure)

17.45-18.15: Prof. Soumya Roy

(Inference Based on Progressive Type-I Interval Censored Data)

18.15: 18.45: Dr. Eldho Varghese, ICAR-Central Marine Fisheries Research Institute, Kochi- 682 018

(Run Order Considerations for Response Surface Designs)

Invited parallel Session-1(C) (Computer Lab, Department of Statistics)

Statistical Inference:

Chair: Prof. Sanjeev Sabnis.

16.45-17.15: Prof. Yogesh Mani Tripathi, Department of Mathematics, Indian Institute of Technology Patna, India

(Estimation of Parameters of the Pareto Distribution)

17.15-17.45: Prof. Ramkrishna L. Shinde, Department of Statistics, School of Mathematical Sciences, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon-425 001

(A New Probability Based Multivariate Process Capability Index)

17.45-18.15: Prof. H.V. Kulkarni Department of Statistics, Shivaji University, Kolhapur

(Multi-Sample Tests in the Presence of Nuisance Parameters)

18.15-18:45: Dr. Sukanta Dash, ICAR-IASRI, PUSA, Library Avenue, New Delhi-110012

(Designs for Computer Experiments Useful in Agricultural Engineering)

Invited Parallel Session-1(D) (Actuarial Room, Department of Statistics)

Biostatistics:

Chair: Prof. Ashis Sen Gupta

16.45-17.15: Prof. Pramod K. Gupta, Department of Biostatistics, Postgraduate Institute of Medical Education & Research, Chandigarh 160012, India

(Statistical Evaluation of Performance of Medical Diagnostic Test: An

Approach Beyond ROC and Youden Index)

17.15-17.45: Dr. Abhishek Rathore, ICRISAT, Patancheru, Hyderabad

(Breeding Informatics Tools for the Modern Data Ecosystem)

17.45-18.15: Prof. V. Srinivasa Rao, Agricultural College, Bapatla, Acharya NG Ranga
Agricultural University

(Forecasting of India stock Market-A Neural Network Approach)

18.15-18.45: Dr. Dwijesh Chandra Mishra, ICAR-Indian Agricultural Statistics Research
Institute, New Delhi

(Statistical Advancement in Genomic Selection: Concepts and Challenges)

20.00-22:00: **Dinner (Department of Statistics)**

Day 2: January 03, 2020: Friday

08:15-08:45: Breakfast (Department of Statistics)

Plenary Talks Session: (Seminar Hall, Department of Commerce)

Chair: Prof. Rajender Parsad

09.00-09.30: Prof. Ashok Shanubhogue, Department of Statistics, Sardar Patel University
Vallabh Vidyanagar, Anand, 388120, Gujarat, India

(Estimation of Parameters of Generalized Exponential Distribution)

09.30-10.00: Prof. Pradeep Khot, Retired Professor, Department of Statistics, RTM Nagpur
University Nagpur

(Fuzzy Model for Academic Measures)

10.00-10.30: Prof. Sanjay Shete, The University of Texas MD Anderson Cancer Centre, USA

**(Quantifying the Reversible Relationship Between Obesity and Diabetes
using Bidirectional Mediation Models)**

10.30-11.00: Prof. M.R. Srinivasan, Department of Statistics, University of Madras
Chennai - 600006

(Detection of Outliers in IX Tables Using Clustering Techniques)

11:00-11:15: **Tea Break**

M.N. Das Memorial Lecture: (Seminar Hall, Department of Commerce)

Chair: Prof. Hira L. Koul

11:15-12:15: Prof. J.V. Deshpande; Visiting Professor: Department of Statistics Savitribai Phule Pune University, Pune.

(Ranked Set Sampling and its Applications to Environmental Problems)

M. N. Das Young Scientists Award Session: (Seminar Hall, Department of Commerce)

Panel of Judges

12.15-12.35: Anuj Mishra

1235-1255: Debraj Das

1255-1315: S.M. Patil

13:15-14:00: **Lunch Break (Department of Statistics)**

Invited Parallel Session-II(A) (Room No. 1, Department of Statistics)

Advanced Sampling Methods and Applications

Chair: Prof. D.N. Kashid.

14.00-14.30: Prof. Girish Chandra, Division of Forestry Statistics, Indian Council of Forestry Research and Education.

(Unequal Allocation Procedure for Ranked Set Sampling with Skew and Symmetric Distribution)

14.30-15.00: Dr. U.C. Sud

(Use of Double Sampling Approach Based Domain Theory for Estimation Of Crop Area and Yield Under Mixed Cropping)

15.00-15.30: Dr. Hukum Chandra, ICAR-Indian Agricultural Statistics Research Institute, Library Avenue, New Delhi, India

(Small Area Estimation of Food Insecurity Incidence for the State of Uttar Pradesh in India by Combining Survey and Census Data)

15.30-16.00: Dr. Vishal Pajankar: National Council of Educational Research and Training, New Delhi 110016, India.

(National Achievement Survey - Large Scale Assessment Survey in India to Assess of Learning Level of Students')

Invited Parallel Session-II(B) (Room No. 3, Department of Statistics)

Reliability and Industrial Statistics

Chair: Prof. Hukum Chandra

14.00-14.30: Prof. Uttara Naik-Nimbalkar, (Emeritus Professor), Department of Statistics

Savitribai Phule Pune University, Pune-07

(Load Sharing Systems)

14.30-15.00: Prof. R. Elangovan, Department of Statistics, Annamalai University,
Annamalainagar, Tamil Nadu, India

**(Analysis of Failure Times in the Presence of Current Status Data with
Competing Risks)**

15.00-15.30: Dr. R. Vishnu Vardhan, Department of Statistics, Pondicherry University,
Puducherry – 605014

**(Improper Multivariate Receiver Operating Characteristic (iMROC)
Curve)**

15.30-16.00: Dr. Raykundaliya, D.P., Department of Statistics, Sardar Patel University,
Vallabh Vidyangar, Gujarat-India

(Three Economical Life Test Acceptance Sampling Plans)

Invited Parallel Session-II(C) (Computer lab, Department of Statistics)

Design of Experiments

Chair: Prof. R.N. Rattihalli

14.00-14.30: Prof. S. Mukhopadhyay, Department of Mathematics, IIT Bombay

**(Generalized Linear Models under Model Misspecification and their
Designs)**

14.30-15.00: Dr. B. Re. Victor Babu, Department of Statistics, Acharya Nagarjuna
University, Guntur-522 510, India.

(Second Order Slope Rotatable Designs)

15.00-15.30: Prof. Ashish Das, Indian Institute of Technology Bombay, Mumbai, India

(Optimal Block Design for Paired Choice Experiments)

15.30-16.00: Dr. Swati Goswami, ISI, Kolkata

(Cliques and Analysis of Patterns in Interaction Networks)

Invited Parallel Session-II(D) (Actuarial Room, Department of Statistics)

Agricultural Statistics

Chair: Prof. R.L Shinde

14.00-14.30: Prof. Ramasubramanian V., ICAR-Indian Agricultural Statistics Research
Institute, New Delhi

(Classification Tree Modeling for Applications in Agricultural Systems with

Special Mention on Bayesian CART)

14.30-15.00: Prof. Pritam Ranjan, Indian Institute of Management Indore

(Statistical Modeling and Calibration of a Dynamic Computer Simulator)

15.00-15.30: Prof. Ranjit Kumar Paul, ICAR-Indian Agricultural Statistics Research Institute,
New Delhi-110012

**(Combining Wavelets and Machine Learning Approach for Modeling
Rainfall Series)**

15.30-16.00: Prof. S. Ravichandran, ICAR - National Academy of Agricultural Research
(Management Hyderabad, India)

(Big Data in India Agriculture)

16:00-16:15: Tea **(Department of Statistics)**

Contributory Talks:

Session II(A): (Room No.1, Department of Statistics)

Reliability and Industrial Statistics:

Chair: Prof. David D. Hanagal

16.15- 16.30: Mr. Sanjay Christian, JG Institute of Business Administration, Ahmedabad

**(Economical Life Test Acceptance Sampling Plans for Weibull Distribution
Incorporating Producer's Experience)**

16.30-16.45: Mr. Thorve Babasaheb Kundlik, New Arts, Commerce and Science College,
Ahmednagar

**(Repair Replacement Policy for Cold Standby Repairable System by Using
Arithmetico-Geometric Process)**

16.45-17.00: Mrs. Savita S. Venegurkar, Prof. Ramkrishna More Arts, Commerce and
Science College, Akurdi, Pune

**(An 'Alternated Charting Statistic Modified Group Runs' (ACS-MGR)
Control Chart to Detect Changes in the Mean Vector)**

17.00-17.15: Mr. Chandrakant Lodhi, Indian Institute of Technology, Patna

**(Multi-Criteria-Based Optimal Life-Testing Plans Under Gompertz
Progressive Censored Data in Presence of Competing Risks)**

17.15-17.30: Miss. Rupali Kapase, Punyashlok Ahilyadevi Holkar Solapur University,
Solapur

(Identifying the Time of a Step Change in the Process Mean with Moving

Average Control Chart)

17.30-17.45: Ms. Gayatri Rode, University of Greenwich, London, U.K.

(Non-Homogeneous Hidden Markov Models for Daily Precipitation)

17.45-18.00: Dr. Yogita Sanas, Department of Statistics, Dr. Babasaheb Ambedkar Maratwada University Aurangbad

(An Integrated Vendor-Buyer Inventory Model for Deteriorating Items with Two Part Trade Credit when Demand is Time Dependent)

18.00-18:15: Miss. Richa Saini, Research Scholar, Dept. of Statistics, University of Delhi, India.

(Modeling of Survival time of Life Insurance Policies in India: A Comparative Study)

Session II (B): (Room No.3, Department of Statistics)

Agricultural Statistics and Sampling

Chair: Dr. Sanjeev Panwar, (IASRI, New Delhi)

16.15-16.30: Dr. Anju Bhagat, Zonal Agricultural Research Station, NARP, Ganeshkhind, Pune

(Rainfall Variability and it's Impact on Area, Production and Productivity of Bajara in Jalgaon District of Maharashtra)

16.30-16.45: Mr. Mohammed Hisham M., Department of Statistics, Pondicherry University, Puducherry-605014

(Markov Model for Seed Fertilization in Multi-Seed Fruits using Hypo Truncated Exponential Distribution)

16.45-17.00: Mr. Tanuj Kumar Pandey

(A Two Stage Forced Answer Randomized Response Model)

17.00-17.15: Miss. Nandini Saha, ICAR-Indian Agricultural Research Institute, New Delhi

(Analysis of Market Arrival and Price Behaviour of Potato and Tomato in Major Markets)

17.15-17.30: Mr. Gulbadin Farooq Dar, Department of Statistics, Pondicherry University, Puducherry-605014

(Stochastic Models for Option Pricing in Stock Market Studies Using Discrete Time Markov Chains)

17.30-17.45: Dr. Hemant Kulkarni, Dr. Vishwnath Karad, MIT-World Peace University, Pune

(Transmission Based Association Tests For Multivariate Phenotypes Using Quasi Likelihood)

17.45-18.00: Ms. Tarunpreet Kaur, D.A.V. (P.G.) College Dehradun, Uttarakhand

(An Improved Generalized Double Sampling Estimator of Ratio of Population Parameter Mean using Auxiliary Information)

18.00-18.15: Mr. Rohan D. Koshti, Department of Statistics, School of Mathematical Sciences, Kavayitri Bahinabai Chaudhari North Maharashtra University Jalgaon

(Parameter Estimation of Camban is type Bivariate Exponential distribution with Ranked Set Sampling)

Session II(C): (Computer Lab, Department of Statistics)

Data Mining and Knowledge Discovery

Chair: Dr. B. Re. Victor Babu

16.15-16.30: Mr. Sachin M. Patil, Department of Statistics, Kolhapur University Kolhapur

(ANOVA under Birnbaum–Saunders Distribution)

16.30-16.45: Ms. Debdali Chowdhury, ICAR-IASRI, New Delhi

(GIS Study to Map Mega-Environment of Maize in India)

16.45-17.00: Ms. Ashwini Mudke, NEERI, RTM Nagpur University

(Prediction of Air Quality using Deep Learning)

17.00-17.15: Mr. Ramkumar. N., Bharathiar University

(Robust Classification using Skew-Adjusted Projection Depth)

17.15-17.30: Mr. Udaya Prakash N., Bharathiar University

(Classification using Support Vector Machines)

17.30-17.45: Miss. Jahnvi Merupula, Department of Statistics, Pondicherry University

(Claim Data Modeling Using Two-Parameter Poisson Distribution)

17.45-18.00: Miss. Ghodekar Shivani Shankarrao, Pondicherry University

(Comparison of Techniques Used to Predict Stock Price)

18:00-18.15: Mr. S.D. Rohida, Research Scholar, Department of Statistics, School of Sciences, Gujarat University, Ahmedabad, India

(Inventory Model for Deteriorating Items under Two Parametric Pareto Type– I Deterioration and Partially Backlogged Shortages)

Session II(D): (Actuarial Room, Department of Statistics)

Biostatistics and Design of Experiment

Chair: Prof. R. Elangovan

16.15-16.30: Hemavathi, M., Institute of Agricultural Sciences, Banaras Hindu University,
Varanasi, U.P

(On the Construction of Third Order Asymmetric Rotatable Designs)

16.30-16.45: Ms. Sulochana B*., Department of Statistics, Acharya Nagarjuna University,
Guntur- 522510, India

**(Second Order Slope Rotatable Designs Under Tri-Diagonal Correlated
Structure of Errors Using a Pair of Symmetrical Unequal Block
Arrangements with Two Unequal Block Sizes).**

16.45-17.00: Miss. P. Jyostna, Department of Statistics, Acharya Nagarjuna University,
Guntur-522 510, India

**(Measure of modified Slope Rotatability for Second Order response Surface
Design Using Balanced Incomplete Block Design)**

17.00-17.15: Dr. Aparna A. Kulkarni, New Arts, Commerce and Science College,
Ahmednagar

(Meta-Analysis in Clinical Trial)

17.15-17.30: Dr. Manik Awale, Department of Statistics, Savitribai Phule Pune University,
Pune

(On Some Count Time Series Models)

17.30-17.45: Mr. L. Naga Rajeev, Department of Mathematics and Statistics, Manipal
University, Jaipur

**(Comparison of Weight-for-Height and BMI-for-Age for Estimating
Prevalence of Thinness in Under-Five Children in Populations)**

17.45-18.00: Miss. Jayshree Tolani. Department of Statistics, Gujarat University

**(Discriminant Function Analysis of Sleep Quality and its Determinants
Among Adults of Ahmedabad City, Gujarat)**

18.00-18.15: Mr. Sakkeel P.T., Department of Statistics, Pondicherry University, Puducherry

**(Stochastic Modeling of Communicable Disease progression Using
Continuous Time Markov Chains)**

18.15-18.45: GB Meeting **(Department of Statistics)**

19.00-20.30: Cultural Program **(Department of Chemistry)**

20.30-22.00: **Banquet (Department of Statistics)**

Day 3: January 04, 2020: Saturday

08.15-08.45: Breakfast (Department of Statistics)

Plenary Session: (Seminar Hall, Department of Commerce)

Chair: Prof. Uttara Naik-Nimbalkar

09.00-09.30: Prof. R. N. Rattihalli, Retired Professor, Department of Statistics, Central University Rajasthan

(Multivariate Power Skew Symmetric Distributions and Inference related to the Power)

09.30-10.00: Prof. A. Rajagopal, Head, SQC & OR Unit, Indian Statistical Institute, 514, Mettupalayam Road, Coimbatore – 641043, Tamil Nadu

(Bottom Line for Business Excellence - Patient's Safety for Healthcare Analysis)

10.00-10.30: Prof. P.R. Vittal, Visiting Professor, University of Madras, Chennai – 600 005

(On Compensation Function and The Method of Images)

10.30-11.00: Prof. Parameshwar V. Pandit, Department of Statistics, Bangalore University

(Rank Test for Independence Against Positive Dependence)

11:00-11:15: **Tea Break (Department of Commerce)**

Plenary Session (Financial Statistics): (Seminar Hall, Department of Commerce)

Chair: Dr. A.K. Nag

11.15-11.45: Dr. K.J.S. Satyasai

11.45-12.15: Dr. Arindam Bandyopadhyay

12.15-12.45: Dr. Rashmy Moray

12.45-13.15: Dr. Ashok K. Nag

13:15-14:00 Lunch Break (Department of Statistics)

Invited Parallel Session-III(A) (Room No. 1, Department of Statistics)

Chair: Prof. P.G. Khot

14.00-14.30: Prof. Piyush Kant Rai, Department of Statistics, B.H.U., Varanasi-221005

(On Secure-Model Technique for The Estimation of Small Domains)

14.30-15.00: Dr. Kaustav Aditya, ICAR-Indian Agricultural Statistics Research Institute,

Library Avenue, New Delhi-110012

(District Level Major Crop Yield Estimation using Reduced Number of Crop Cutting Experiments)

15.00-15.30: Dr. Manoj Kumar Diwakar, JNU New Delhi

Invited Parallel Session-III(B) (Room No. 3, Department of Statistics)

Chair: Prof. Parameshwar V. Pandit

14.00-14.30: Dr. Srinivasan Ravi

14.30-15.00: Dr. Anshu Dixit, ICAR-IASRI, Library Avenue, PUSA, New Delhi

15.00-15.30: Dr. Atul Juneja, ICMR-NIMS,

(Clinical Trial Registry-India: Journey so far)

Invited Parallel Session-III(C) (Computer lab, Department of Statistics)

Chair: Prof. S. Mukhopadhyay, IIT Mumbai

14.00-14.30: Dr. Susheel Sarkar, ICAR-IASRI, PUSA, Library Avenue, New Delhi-110012

(Digitalization Approaches in Agriculture)

14.30-15.00: Dr. Arpan Bhowmik, ICAR-IASRI, PUSA, Library Avenue, New Delhi-110012

15.00-15.30: Dr. Mukesh Kumar, ICAR-IASRI, PUSA, Library Avenue, New Delhi-110012

Contributory Parallel Session-III(A) (Actuarial Room, Department of Statistics)

Non-Parametric Inference and Distribution Theory

Chair: Prof. P.R. Vittal

14.00-14.15: Mr. Swapnil Dattatray Khorate, Shri Yashwantrao Patil Science College,
Solankur

**(New Nonparametric Tests Based on Data Depth for multivariate
Multi-Sample Location Problem)**

14.15-14.30: Mr. Vasili B.V. Nagarjuna, Department of Statistics, Pondicherry University
Puducherry

(Topp-Leone Power Lomax Distribution: Properties and Applications)

14:30-14:45: Rizwan Yousuf Division Of Statistics & CS, FBSC., SKUAST Jammu

**(Robust Cobb Douglas Model for the Production of Maize of
J& K in Presence of Influential Observations)**

Contributory Parallel Session III(B): (Room No. 1, Department of Statistics)

Statistical Inference I:

Chair: Prof. Ranjit Kumar Paul

15.30-15.45: Mr. Sajad Hussain Bhat, Division of Statistics & CS, FBSc, SKUAST Jammu
(New Modified Exponential Type Estimators for Estimating Population Mean)

15.45-16.00: Mr. Chakrdhar Shelake, BJS Arts, Science and Commerce College, Wagholi, Pune
(Bayesian Estimation in Correlated Gamma Frailty Models)

16.00-16.15: Mr. Navnath G. Dhotre, New Arts Commerce and Science College, Ahmednagar
(Simulation Approach to Study Skewness and Kurtosis of Mixture Distribution)

Contributory Parallel Session III(C): (Room No. 3, Department of Statistics)

Statistical Inference II

Chair: Dr. Dwijesh Chandra Mishra

15.30-15.45: Mr. R.S. Jagtap, Central Water power Research Station, Government of India, Khadakwasala, Pune

(On Some Aspects of Stochastic Uncertainty in Extreme Hydro-Meteorological Quantile Estimates Using Bootstrapping)

15.45-16.00: Mr. Mahesh S. Barale, Department of Statistics, Shivaji University, Kolhapur
(A Test Based on Data Depth for Testing Location-Scale of the Two Multivariate Populations)

16.00-16.15: Mr. Mahesh M. Deshpande, Department of Statistics, Solapur University Solapur
(Bootstrap Confidence Interval for Process Capability Indices (PCIs))

Contributory Parallel Session III(D): (Computer Lab; Department of Statistics)

Optimization Techniques:

Chair: Prof. Hukum Chandra

15.30-15.45: Mr. M.H. Lohgaonkar*, Shri Chhatrapati Shivaji College, Shrigonda
(Application of Intuitionistic Fuzzy Mathematical Programming with Non – Liner Membership Function in Matrix Games)

15.45-16.00: Mr. Sandesh Shrikant Kurade, Abasaheb Garware College, Pune-411 004

(Partial Backlogging with Expected Demand Inventory Model using Evolutionary Optimization)

16.00-16.15: Mr. Maruti Bhosale, Shri Shahu Mandir Maavidyalaya, Pune

(Fuzzy Supply Chain Newsboy Problem Under Lognormal Distributed Demand for Bakery Products)

Contributory Parallel Session III(E): (Actuarial Room; Department of Statistics)

Applied Statistics:

Chair: Prof. A. Rajagopal

15.30-15.45: Ms. Rajashri L. Salamwade, Shivaji University Kolhapur

(Robust Variable Selection for Zero Inflated Poisson Regression Using Smooth Threshold Estimating Equations)

15.45-16.00: Mr. Mukund Ramtirthkar, Department of Statistics, Savitribai Phule Pune University

(Multiplicative Controlled Branching Process with Immigration)

16.00-16.15: Mr. Anubhav Roy, ICAR-Indian Agricultural Statistics Research Institute
(Study on Change-Points in E. Coli Genome)

16:15-16:45: **Valedictory Function**

16:45-17:15: **High Tea (Department of Statistics)**