

Curriculum Vitae

NAME : **DIVECHA JYOTI**
DESIGNATION : Professor
QUALIFICATION : M.Sc., Ph.D. (Statistics)
SPECIALIZATION : Design and Analysis of Experiments
and
Statistical Quality Control
OFFICE ADDRESS: Department of Statistics
Sardar Patel University
Vallabh Vidyanagar
Gujarat, India 388120
E-MAIL : jm_divecha@spuvvn.edu
j.divecha@yahoo.com
PHONE : 229160 (R), 226881 (O),
+91 9879691337 (M)
<https://vidwan.inflibnet.ac.in/profile/209243>



TEACHING EXPERIENCE: 30 Years

Lecturer at Department of Statistics, H. & H.B. Kotak Sci College, Rajkot from Feb – Aug 1991
Lecturer at Department of Statistics, Sardar Patel University, VVNagar from Aug 91 – Sep 1998
Reader at the same Department from Sep 1998 – Dec 2005
Associate Professor at the same Department Jan 2006 – Dec 2010
Professor (CAS) at the same Department since 01 Jan 2011
M Sc. Projects Guided: 28

RESEARCH EXPERIENCE: 31 Years

PUBLICATIONS

National and International Journal : 50
Proceeding of Conference : 01
h-index : 15

GUIDANCE

Ph. D. Guided: 04 (Control Charts, Mixture Designs, Cross Over Designs,
Response Surface Designs)
Currently guiding: 01 (Life Test Sampling Plans)
M. Phil. Guided: 04 Students (Design of Experiments)

OUTREACH

Conference/ Seminar/ Workshop Paper Presentation: 15
Invited Talks as Resource Person: 20
National Conference Organization as Secretary: 04, As Coordinator: 01
Reviewer for Journal: 02

UGC SAP Programme Dy. Co-ordinator: 2014-19, Coordinator: Currently

Young Scientist Award of Indian Society of Agricultural Statistics, New Delhi: 1993

LIFE MEMBERSHIP

Gujarat Statistical Review, Ahmedabad

Indian Society for Probability and Statistics, Pune

Indian Society of Agricultural Statistics, New Delhi

Indian Society for Productivity, Quality and Reliability, Kolkata

RECENT RESEARCH PUBLICATIONS

2021

1. Practical efficient alpha: Encompassing all alphas of central composite design. Communication in Statistics-Simulation and Computation (online: February 2021). (IF:0.651) (with Bharat Tarapara as the first co-author)

2020

2. Optional analyses of crossover trials having two treatments and a placebo. Electronic Journal of Applied Statistical Analysis Vol. 13 (1), 16-30(IF:0.821) (with Jignesh Gondaliya as the first co-author)
3. Optimal and/or efficient three treatment crossover designs for five carryover models. Journal of Biopharmaceutical Statistics, Vol. 30:3, 445-461.(IF: 0.601) (with Jignesh Gondaliya as the first co-author)
4. Extreme Vertices Designs for Multi-Component Constrained Mixture Experiments Using Simplex Method. International Journal of Agricultural and Statistical Sciences Vol.16(1), 343-346.(IF:0.05) (with Chhaya Sonar as the first co-author)
5. Three Economical Life Test Acceptance Sampling Plans. Communication in Statistics-Simulation and Computation (online: January 2020). (IF: 0.651) (with Dharmesh Raykundaliya as the second co-author)
6. Degradation and toxicity analysis of a reactive textile diazo dye-Direct Red 81 by newly isolated Bacillus sp. DMS2. Frontiers in microbiology, Vol.11 Article 576680. (IF: 4.235) (with Amin, Shivani; Rastogi, Rajesh Prasad; Chaubey, Mukesh Ghanshyam; Jain, Kunal; Desai, Chirayu; Madamwar, Datta as other co-authors)

2019

7. Cost-Effective Life Test Acceptance Sampling Plans for Generalized Exponential Distribution. International Journal of Statistics and Reliability Engineering, Vol. 5(2), pp. 77-83. (ISSN:) (with Dharmesh Raykundaliya as the second co-author)
8. Cultivation of Ascochloris sp. ADW007- enriched microalga in raw dairy waste- water for enhanced biomass and lipid productivity. International Journal of Environmental Science and

Technology, Vol. 16, 943-954. ISSN: 1735-2630, (IF: 2.852) (with A. K. Kumar, S. Sharma, E. Shah, B.S. Parikh, A. Patel, G. Dixit, S. Gupta as other co-authors)

9. Enhanced production of ethanol from enzymatic hydrolysate of microwave-treated wheat straw by statistical optimization and mass balance analysis of bioconversion process. Biofuels (online) pp. 1-8 DOI:10.1080/17597269.2019.1608037 1759-7277(IF:) (with Amisha Patel, Harshvadan Patel, Amita R. Shah as other co-authors)

INVITED TALKS AS RESOURCE PEERSON

2021

Delivered special invited talk “On Construction of Mixture Designs” in Fifth International Webinar on Recent Trends in Statistical Theory and Applications-2021(WSTA-2021) organized by Department of Statistics, University of Kerala in association with American Statistical Association (ASA) and Kerala Statistical Association (KSA) during June 29 – July 02, 2021.

Delivered two talks for “Online Pre-Phd Course Work” (02/01/2021 to 15/02/2021) organized by UGC-HRDC, Dr. Babasaheb Ambedkar Marathawada University, and Aurangabad during January 30 2021 to February 1, 2021 (Afternoon sessions).

2020

Delivered special invited talk “Central and Noncentral Composite Designs for Qualitative and Quantitative Mixed Factor Process” in Sixth International Conference on Statistics for Twenty First Century- 2020 (ICSTC-2020) (Virtual Conference) organized by Department of Statistics, University of Kerala in association with American Statistical Association (ASA) and Kerala Statistical Association (KSA) during December 16-19, 2020.

2019

Delivered two talks as a Resource person on "Analysis of Variance: One Way ANOVA and Post Hoc Tests" and "Response Surface Model " in Five Days Faculty Development Programme (FDP) on "Statistical Computing Through R" jointly organized by IQAC, Sardar Patel University and Department of Statistics, Sardar Patel University during December 23- 28, 2019 (Except December 25, 2019) at G. H. Patel Institute of Business Administration (MBA Department), Sardar Patel University, Vallabh Vidyanagar - 388120, Anand, Gujarat on December 26, 2019.

Delivered two talks "Design of Experiments" and "Probability Theory" at the National Workshop on Problem Solving Techniques in Sciences (Mathematical Sciences) held at Faculty of Science, the Maharaja Sayajirao University of Baroda, Vadodara during November 25-30, 2019, on 30th November 2019.

RESEARCH PUBLICATIONS (Chronologically)

Sr. No.	Year	Name of Journal	International/ National	Title of the paper	Volume No.	Page Nos.
1	1991	Utilitas Mathematica	International	On comparison of ternary variance balanced and ternary efficiency balanced designs in terms of A-, D- and E-Optimality criteria.	40	257-271
2	1991	Jour. Of Japan Statist. Assn.	International	Equireplicate variance-balanced designs from Group Divisible designs.	21(2)	205-209
3	1991	Guj. Stat. Review	National	Partial Diallel crosses from incomplete block designs.	18	39-40
4	1994	Journal of Applied Statistics	International	Incomplete block designs for diallel crosses and their analysis.	21(5)	395-408
5	1996	Sankhya(B)	International	Some new semi-regular GD designs	57(3)	353-355
6	1997	Biometrika	International	Two associate class partially balanced incomplete block designs and partial diallel crosses	84(1)	245-248
7	1998	<i>Frontiers in Probability and Statistics</i> Ed. By S.P. Mukherjee, S.K. Basu, and B.K. Sinha	International	On a characteristic of triangular designs and its application	Narosa Publishing House, Calcutta	170-177
8	1998	Prajna	Regional	Optimization of Fluidized Bed Coating Process	8	135-144
9	2000	Journal of Applied Statistics	International	Search for suitable incomplete block designs for complete diallel cross systems	27(1)	47-62
10	2001	Prajna	Regional	Three Faces of Factorial Design	9-10	45-52
11	2002	Jour. Of Statistics, Computer & Applications	International	A Procedure for obtaining factorial effects of any factorial experiment	4(1)	81-84
12	2006	Int. Sorghum Millet Newsletters	International	Mixture Design Analysis of Rust Infection in Three-component Pearl Millet Mixture.	47	143-145
13	2008	Bioresource Technology	International	Response Surface Methodology for optimization of medium for decolorization of textile dye Direct Black 22 by a novel bacterial consortium.	99	562-569
14	2009	Bioresource Technology	International	α-glucanase production by <i>Burkholderia</i> sp. DMAX strain under solid state	16	7553-7564

15	2009	International Journal of Statistics and Systems	International	fermentation using distillery spent wash umulative Sum Control Scheme for the Autocorrelated Process Data.	4(2)	117-126
16	2010	International Journal of Statistics and Systems (-)	International	Charts Integrating Taguchi Philosophy	5(1)	11-16
17	2010	Jour. of Engg. and Tech. Research (-)	International	l CUSUM scheme.	2(12)	50-57
18	2010	Journal of Environmental management (2.596)	International Bhavik et al.	Utilization of anaerobically treated distillery spent wash for production of cellulases under solid-state fermentation	91	2019-2027
19	2010	Biochemical Engineering Journal(2.692)	International Digantkumar et al.	Utilization of agro-industrial waste for xylanase production by <i>Aspergillus foetidus</i> MTCC 4898 under solid state fermentation and its application in saccharification	49	361-369
19a	2011	Journal of Chemical Engineering and Material Science ISSN: 2141-6605	International Alpa K. Patel	Modified exponentially weighted moving average (EWMA) control chart for an analytical process data	2(1) Jan	12-20
20	2011	Jour Prob Stat Sci Aug (-)	International Chhaya D Sonar	Efficient Designs for constrained Categorized mixture experiments	9(2)	179-190
21	2012	Jour Plast Film and Sheeting jul 12(1.22)	International	Effect ...	28(3)	247-259
22	2012	Bioresource Technology(4.88)	International Madhuri et al.	Production of cellulases ... rice straw.	121	355-361
23	2012	Carbohydrates Polymers(3.479)	International Sneha et al.	Optimization of inulinase production..	90	483-490
24	2013	Int. Biodet. & Biodegradation (2.13)	International Ketna et al.	Production of celulase .. submerged fermentation	78	24-33
25	2013	Communication is Statistics (T&M)(0.242)	International	G-Efficient Designs for Quadratic Mixture Models	42	4417-30
25a	2013	Global Journal of Comp Sci & Tech ISSN Print: 0975-4350	International	Modified MEWMA Control Scheme for an Analytical Process Data	13 (3)	23 - 33

26	2014	Electronic Journal of Statistics (2.042)	International	Construction of minimal balanced cross over designs having good efficiency of separability	08	2923–2936
27	2014	Tire Science and Technology, TSTCA(-)	International	Determination of Combined and Second Order Factor Effects for Simultaneous Optimization of Physical and Mechanical Properties of NR/BR Blend System	42(4)	290-304
28	2014	BioMed Research International (3.169) Article ID 353845	International Tripti et al.	Biocatalytic Synthesis of Flavor Ester ‘Pentyl Valerate’ Using <i>Candida rugosa</i> Lipase Immobilized in Microemulsion Based Organogels: Effect of Parameters and Reusability	Vol 2014	14 pages
29	2015 Dec	Bioresources and Bioprocessing (-)	International Harsh et al.	Improved yield of α -L-arabinofuranosidase by newly isolated <i>Aspergillus niger</i> ADH-11 and synergistic effect of crude enzyme on saccharification of maize stover	2:11	
30	2015	Statistics in Biopharmaceutical Research (0.754)	International	Estimation of Treatment and Carryover Effects in Optimal Cross-Over Designs for Clinical Trials	7(2)	95-105
31	2016	ProbStat Forum e-journal (-)	International	Efficient estimation capacity index for $3.2^{(n-m)}$ fractional factorial designs	Vol 09	21-34
32	2016	Biocatalysis and Agricultural Biotechnology (-)	International Dharmesh et al.	Insight on xylanase from <i>Aspergillus tubingensis</i> FDHN1: Production, high yielding recovery optimization through statistical approach and application	Vol 06	51-57
33	2016	Waste and Biomass Valorization (scopus)	International	Efficient enzymatic Digestion of Alkali treated Maize Stover Holoellulos by developing balanced cocktail of cellulotic and hemicellulolytic Enzymes	7(1.337)	1-11
34	2016	Advances in Recycling & waste Management: open access ISSN: 2475-7675	International	Optimization of Ethanol Production from Enzymatic Hydrolysate of Maize Stover	1(1)	1-6
35	2017	Waste and Biomass Valorization (scopus)	International	Simultaneous saccharification and fermentation of low strength Sodium hydroxide pre treated rice straw for higher ethanol yields: batch and fed batch hybrid approach	8(4) (1.337)	1089–1103

36	2017	Journal of the Taiwan Institute of Chemical Engineers (scopus)	International	Microwave assisted alkali treated wheat straw as a substrate for co-production of (hemi)cellulolytic enzymes and development of balanced enzyme cocktail for its enhanced	71 (4.217)	298-306
37	2017	Quality Engineering (scopus)	International Bharat Tarapara	Small, Balanced, Efficient, Optimal and Near Rotatable Response Surface Designs for Factorial Experiments Asymmetrical in Some Quantitative, Qualitative Factors	29(2) (1.295)	196-210
38	2017	Journal of Probability and Statistical Science ISSN 1726-3328	International Chhaya Sonar	G-Efficient Extreme Vertices Designs to Fit Linear Model for Mixture Experiments	15(2) Aug	261-272
39	2017	Biocatalysis and Agricultural Biotechnology ISSN: 1878-8181	International Dharmesh N. Adhyaru, Nikhil S. Bhatt, H.A. Modi, Jyoti Divecha	Cellulase-free-thermo-alkali-solvent-stable xylanase from <i>Bacillus altitudinis</i> DHN8: Over-production through statistical approach, purification and biodeinking/ bio-bleaching potential	12 Oct (.887) Scopus	220-227
40	2018	International Journal of Environmental Science and Technology ISSN: 1735-2630	International A. K. Kumar, et al. and J. M. Divecha	Cultivation of <i>Ascochloris</i> sp. ADW007-enriched microalga in raw dairy wastewater for enhanced biomass and lipid productivity	Online Mar (2.1) Scopus	
41	2018	International Journal of Biostatistics (IJB)	International Jignesh Gondaliya and Jyoti Divecha	Optimal and/or Efficient Two treatment Crossover Designs for Five Carryover Models 10.1515/ijb-2018-0001	Vol 14(2) Epub IF : 0.840	24 Nov
42	2018	International Journal of Statistics and Reliability Engineering (ISSN(P): 2350-0174 ; ISSN(O):2456-2378)	Jyoti Divecha and D.P. Raykundaliya	Cost-Effective Life Test Acceptance Sampling Plans for Generalized Exponential Distribution	Vol. 5(2)	77-83
43	2018	Current Biotechnology ISSN: 2211-5501 (P))	Patel, Harshvadan; Divecha, Jyoti; Shah, Amita	Enhanced Production of β -Xylosidase from <i>Aspergillus niger</i> ADH-11 and Development of Synergistic Enzyme Cocktail for Saccharification of Sugarcane Bagasse	Vol 7(4)	273-287
44	2019	Biofuels	Amisha Patel,	Enhanced production of	Online	

			Harshvardhan Patel, Jyoti Divecha, Amita Shah	ethanol from enzymatic hydrolysate of microwave-treated wheat straw by statistical optimization and mass balance analysis of bioconversion process	14 May IF:0.78 4	
45	2020	Journal of Biopharmaceutical Statistics (0.756)	Jignesh Gondaliya and Jyoti Divecha	Optimal and/or efficient three treatment crossover designs for five carryover models	30:3	445-461
46	2020	Communication in Statistics: Simulation and Computation	Jyoti Divecha and D P Raykundaliya	Three Economical Life Test Sampling Plans	Jan 2020 (online Pub)	
47	2020	Electronic Journal of Applied Statistical Analysis	Jignesh Gondaliya and Jyoti Divecha	Optional analyses of crossover trials having two treatments and a placebo	<u>Vol.</u> 13 (1)	16-30
48	2020	International Journal of Agricultural and Statistical Sciences	Chhaya Sonar and Jyoti Divecha/Rajaraman	Extreme Vertices Designs for Multi-Component Constrained Mixture Experiments Using Simplex Method	Vol.16(1)	343-346
49	2020	Frontiers in microbiology	Amin, Shivani; et. al, Divecha, Jyoti; Desai, Chirayu; Madamwar, Datta	Degradation and toxicity analysis of a reactive textile diazo dye-Direct Red 81 by newly isolated Bacillus sp. DMS2	Vol.11	Article 576680
50	2021	Communication in Statistics: Simulation and Computation	Bharat Tarapara and Jyoti Divecha	Practical efficient alpha: Encompassing all alphas of central composite design	Feb 2021 (online)	https://doi.org/10.1080/0918.2021.1887234

CONFERENCES/ WORKSHOPS/SEMINARS DETAIL(Chronologically)

1. 42ND ANNUAL CONFERENCE of INDIAN SOCIETY OF AGRICULTURAL STATISTICS held at Jorhat (Assam) during 19-21 January 1989.
Presented a research paper CONSTRUCTION OF VARIANCE BALANCED DESIGNS
2. 43RD ANNUAL CONFERENCE of INDIAN SOCIETY OF AGRICULTURAL STATISTICS held at Hissar (Haryana) during 20-22 December 1989.
Presented a research paper CONSTRUCTION OF SEMI-REGULAR GD DESIGNS
Co-author : D. K. Ghosh
3. NATIONAL SYMPOSIUM on DESIGN OF EXPERIMENTS held at Centre for Mathematical Sciences, Trivandram during 18-20 July 1990.
Presented a paper CONSTRUCTION OF COMPLETE DIALLEL CROSS SYSTEM IV THROUGH BIB DESIGN.
4. 44TH ANNUAL CONFERENCE of INDIAN SOCIETY OF AGRICULTURAL STATISTICS held at Anad(Gujarat) during 3-5 December 1990.
Presented a paper CONSTRUCTION OF PARTIAL DIALLEL CROSSES
Co-author : D. K. Ghosh
5. 46TH ANNUAL CONFERENCE OF INDIAN SOCIETY OF AGRICULTURAL STATISTICS held at Bhubaneswar(Orissa) during 20-22 February 1993.
Presented a paper **USEFUL PLANS FOR DIALLEL CROSS SYSTEMS I, II AND III** for *YOUNG SCIENTIST AWARD* context for the year 1992.
6. II nd INTERNATIONAL TRIENNIAL CALCUTTA SYMPOSIUM ON PROBABILITY & STATISTICS organized by Calcutta Statistical Association during 30th December 1994 – 2nd January 1995.
Presented a paper ON A CHARACTERISTIC OF TRIANGULAR DESIGNS AND ITS APPLICATION.
7. 82ND session of INDIAN SCIENCE CONGRESS held at Jadavpur University(Calcutta) during 3-8 January 1995.
Presented a paper ON SOME PARTIALLY BALANCED INCOMPLETE BLOCK DESIGNS WITH FEWER REPLICATIONS.
8. 49TH ANNUAL CONFERENCE OF INDIAN SOCIETY OF AGRICULTURAL STATISTICS held at Lucknow (Uttar Pradesh) during 22-23 February 1996.
Presented a paper MINIMAL REPEATED MEASUREMENTS DESIGNS.
Co-author : Pratima Patel
9. WORKSHOP on OPTIMAL EXPERIMENTAL DESIGNS WITH APPLICATIONS organised by Indian Statistical Institute, Calcutta at Sambalpur University (Orissa) during 19-28 December 1996.
Gave a talk on EQUINEIGHBOURED REPEATED MEASUREMENTS DESIGNS.
Co-author : Pratima Patel
10. GOLDEN JUBILEE CONFERENCE of DEPARTMENT OF STATISTICS, UNIVERSITY of MUMBAI, held there during 17-20 December 1997.
Presented a paper jointly with RajaRajan M. : RESPONSE SURFACE METHODOLOGY IN COATING INDUSTRY.

11. 85TH session of INDIAN SCIENCE CONGRESS held at Hyderabad (Andhra Pradesh) during 3-7 January 1997.
Presented a paper for *YOUNG SCIENTIST AWARD COMPETITION (STATISTICS SECTION) : SEARCH OF SUITABLE INCOMPLETE BLOCK DESIGNS FOR COMPLETE DIALLEL CROSSES.*
12. SEMINAR : ADVANCES IN POLYMER TECHNOLOGY, organized by Department of Science & Technology, Cochin University of Science & Technology, Cochin held there during 27-29 March 1998.
Presented a paper jointly with RajaRajan M. : OPTIMIZATION OF MULTI-RESPONSE EXPERIMENTS IN NR/BR BLENDS.
13. NATIONAL CONFERENCE on COMPETITIVENESS AND GROWTH THROUGH QUANTITATIVE METHODS organized by Indian Statistical Institute – SQC & OR Unit, Chennai held there during 6-8 August 1998.
Presented a paper jointly with RajaRajan M. : SIMULTANEOUS OPTIMIZATION OF MULTI-RESPONSE EXPERIMENTS.
14. WORKSHOP on OPTIMAL EXPERIMENTAL DESIGNS WITH APPLICATIONS organised by Indian Statistical Institute, Calcutta at ISI Calcutta during December 2004.
15. NATIONAL SEMINAR ON RECENT DEVELOPMENTS IN STATISTICAL SCIENCE, organized by Department of Statistics, Acharya Nagarjuna University (Silver Jubilee year), Guntur during 27-29 Dec, 2005. Presented paper jointly with Mayank Bhatt : *Stabilization of Solvent Extraction Process: A Case Study*
16. Workshop on Bio-Medical Statistics, organized by Department of Statistics, Sardar Patel University, Vallabh Vidyanagar during 20-25, 2006.
Presented two invited talks on *Clinical Trials: Design, Analysis and Case studies.*
17. Annual NATIONAL CONFERENCE of Society of Statistics, Computer and Applications, held at Department of Statistics, Saurashtra University, Rajkot during Nov, 2006.
Presented invited talk: *Statistical Data Analyses – subway to research expansion*
18. One – day Seminar on Problems and Prospects of the Present Examination System organized by the ERU of Sardar Patel University on Feb, 08, 2007.
19. National Conference Present Practices and Future Trends in Lean Six Sigma organized by Department of Statistics, Sardar Patel University, during 13-14 Feb, 2010
*Presented invited talk **2^k Factorial Design and Response Surface Methodology***
20. National Workshop on Medical and Pharmaceutical Statistics by Department of Statistics, Sardar Patel University, during 25-28 Feb, 2010. Performed the duty of Secretary
21.
*Presented invited talk **Hand on experience with R- Language and MINITAB***
One-day National level Conference at Saurashtra University, Rajkot; 13th Mar 2010
Presented invited talk **Statistical Quality Control Charts for Autocorrelated Processes**
22. One – day workshop on Career Opportunities in Statistics Through Statistical Computing organized by the Department of Statistics, Sardar Patel University on January, 08, 2011.
Presented invited talk **Statistical Computing Through MINITAB**

23. 5th SIR Conference on Empowering Researchers Through Applied Spirituality organized by SpARC wing of Rajyoga Education and Research Foundation and PrajapitaBrhmaKumarisIshwariya Vishwa Vidyalaya, Mt, Abu during 23 – 27 Sep 2011.
24. AICTE sponsored two days national seminar entitled Application of Biostatistics and Use of Software in Pharmaceutical Research organized at Shri B M Shah College of Pharmaceutical Education and Research, Modasa, during March, 28-29 2011.
Presented invited talk***Pharmaceutical Studies Through MINITAB***
25. One – day workshop on Career Opportunities in Quality Management organized by the Department of Statistics, Sardar Patel University on January, 21, 2012.
Presented invited talk***Popular Statistical Techniques in Industry***
26. National level 14th Annual Conference of Society of Statistics, Computer and Applications at Saurashtra University, Rajkot, during 24-26 Feb 2012.
Presented invited talk***Adaption in Response Surface Methodology for Application to Scientific Processes***
27. ICONFROST 2012 at Pondicherry University, Pondicherry during 21-23 Dec 2012.
Presented an invited talk “Planning of Constrained Mixture Experiments: A Review”
28. ICRASTAT 2013at Baba Ambedkar University, Aurangabad during 26-28 Dec 2013. Presented an invited talk”***Online Experimental Designs for Dynamic Regression Modeling***”.
29. Chemometrics: A Powerful Tool in Pharmaceutical Analysis” at Anand Pharmacy College, Anand during 4-5th October 2013.
Presented an invited talk “***Role of Experimental Designs in Pharmaceutical Processes***”
30. RSSP²F-2014 Two Dat UGC(SAP-DRS-I) National level Seminar “research in Statistical Science: Past, Present and Fututre” at Department of Statistics, Sardar Patel University during 21-22 Feb 2014.
Presented an invited talk “***Characterization of Triangular PBIB designs and Application: Past, Present and Future***”
31. International Statistical Institute’s Outreach Committee for South Asia Three day International Workshop “Statistics and Society” held at Department of Statistics, Sardar Patel University, Vallabh Vidyanagar during 04 – 06 April 2015.
Presented an invited talk “***Case Studies in DOE***”
32. UGC-SAP(I)-DRS(II) sponsored Two day National Seminar on Recent Advances in Statistics and Their Applications organized by Department of Statistics, Sardar Patel University during March 17-18, 2017. Performed the duty of Secretary
33. UGC-SAP(I)-DRS(II) sponsored Two day National Seminar on Recent Advances in Statistics for Industries and Corporates organized by Department of Statistics, Sardar Patel University during March 10-11, 2018. Performed the duty of Secretary
34. UGC-SAP(I)-DRS(II) sponsored Two day National Seminar on Recent Advances in Statistics and Statistical Practice in honour of Professor Ashok Shanubhogue organized by Department of Statistics, Sardar Patel University during March 1-2, 2019. Performed the duty of Secretary
35. "Design of Experiments and Probability Theory" at the National Workshop on Problem Solving Techniques in Sciences (Mathematical Sciences) held at Faculty of Science, the Maharaja Sayajirao University of Baroda, Vadodara during November 25-30, 2019.
36. "Analysis of Variance: One Way ANOVA and Post Hoc Tests" in Five Days Faculty Development Programme(FDP) on "Statistical Computing Through R" jointly organized by IQAC, Sardar Patel University and Department of Statistics, Sardar Patel University during December 23- 28, 2019 (Except December 25, 2019) at G.H.Patel Institute of Business

Administration (MBA Department), Sardar Patel University, Vallabh Vidyanagar - 388120, Anand, Gujarat on December 26, 2019.

37. "Response Surface Model" in Five Days Faculty Development Programme(FDP) on "Statistical Computing Through R" jointly organized by IQAC, Sardar Patel University and Department of Statistics, Sardar Patel University during December 23- 28, 2019 (Except December 25, 2019) at G.H.Patel Institute of Business Administration (MBA Department), Sardar Patel University, Vallabh Vidyanagar - 388120, Anand, Gujarat on December 26, 2019.
38. UGC-SAP(I)-DRS(II) sponsored Two day Diamond Jubilee National Conference on Recent Advances in Statistics: Theory and Applications organized by Department of Statistics, Sardar Patel University during January 31- February 01, 2020 Performed the role of Co-ordinator
39. "Central and Noncentral Composite Designs for Qualitative and Quantitative Mixed Factor Process" in Sixth International Conference on Statistics for Twenty First Century- 2020 (ICSTC-2020) (Virtual Conference) organized by Department of Statistics, University of Kerala in association with American Statistical Association (ASA) and Kerala Statistical Association (KSA) during December 16-19, 2020.
40. Two talks for "Online Pre-Phd Courses Work" (02/01/2021 to 15/02/2021) organized by UGC-HRDC, Dr. Babasaheb Ambedkar Marathwada University, and Aurangabad during January 30 2021 to February 1, 2021 (Afternoon sessions).

List of M.Sc. Projects Guided

Sr	Name	Title of Dissertation	Year
1	Mayank Bhatt	Stabilization of Solvent Extrusion Process	2005
2	Hardik Pandya et. al	Benchmarking Coextrusion Blown Film Output	2006
3a	Bharat Tarpara et. al	The comparison of composition of breast milk and colostrum in anemic and non-anemic postpartum women	2007
3b	Jignesh Garsondia et. al	Study of effect of nerve locator on studies of patient under anesthesia	2007
4	Akhil Shah et. al	Clinical Data Analysis using CrossOver Designs	2008
5	Vimal Dave et. al	An attempt to estimate population variance	2009
6	Abhijeet Patil et. al	A clinical experiment to study the effect of Pyramid water on the Eyesight of Youths having Spectacles	2010
7	HarjeetBagga et. al	Marketing Research Project	2010
8	Abhay Joshi et al.	Biostatistics for survival CT case study	2011
9	Vimal Apani et al.	Meta Analysis: A Case Study	2012
10a	Nitish et al.	Multi-Center Trial	2013
10b	NitulKevadiya et al.	Phase I Designs and Use in BE	2013
11a	Ayushi et al.	Post Market Surveillance for Patients...	2014
11b	Chinmay Joshi et al.	Group Sequential Analysis	2014
11c	Chandrashankar G.	Analysis of Bioequivalence COD trial	2014
11d	Navneet Jha et al.	A study on BA and BE	2014
12a	Arjya et al.	Risk factors for coronary disease ...	2015
12b	Debirupa et al.	Determination of clinical outcomes ...	2015
12c	Mamta et al.	Cross Sectional survey of Anand-Kheda...	2015
13a	Soumi et al.	Statistical Analysis of some case studies	2016
13b	Kiran et al.	Statistical analysis of PGD and COD	2016
14a	Moinuddin et al.	A comparison: Pseudo and Natural Random Numbers	2017
14b	Ajit et al.	Cox Proportional Hazard Model	2017
14c	Akshay et al.	Meta Analysis for Proportion and Case Studies	2017
15a	Abhijit et al.	Post Marketing Surveillance for Patients Registry Data	2018
15b	Yogesh et al.	Hands on Experience with Phase-I and Phase-II Studies	2018
15c	Suraj et al.	Bioequivalence Study and Study of Students' Academic and Health Survey	2018
16a	Mayuri Phadatare Pranali Bamane Shital Patil	Statistical analyses of Some Primary and Secondary Data	2019
16b	Shrikant S. Deshmukh	Classification Algorithm for Heart Disease Prediction	2019
16c	Aparna Padickal Mansi Patel	Comparison of Examination Preparation Methods	2019

17a	Rushikesh Sharad Shirode and Vishal Ghanshyam Bhalerao	CORRELATION BETWEEN HYPERTENSION AND DIABETES WITH SERUM LIPID PROFILE (SMTPL data)	2020
17b	Pradip Borse, Prachi Desai, Harsha Shaikh, Suresh Patade	Analysis and prediction of Heart Disease	2020
17c	Shreyash Deshmukh Vaibhavi Chavan Ravina Patil	BRAIN MRI IMAGE PROCESSING TO DETECT BRAIN TUMOR USING U-NET ARCHITECTURE	2020
18a	Nilesh Bavalekar and Digambar Jagtap (AStat)	Happiness Index	2021
18b	Omkar Kulkarni and Manish Pajane (AStat)	CCD or BBD: Industrial and Statistician's Perspective	2021
18c	Kishore Jadhav and Saurabh Badhan	Disease prediction Using ML Algorithm for Heart Disease data	2021
18d	Rajendra Patil et al.	Prediction of Heart disease using Machine Learning Algorithm	2021
18e	Amruta Godse and Prajakta Nakate	Analysis of Different Types of Masks	2021
18f	Rasna Hirve (AStat)	Six Sigma Implementation in Department Library	2021
18g	Santosh and (AStat) Chandrabhan Yadav	Text-based classification algorithms for facilitating shelf-allotment of books in the Department library	2021