

CURRICULUM VITAE

RABINDRA NATH DAS

Professor

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35749785500; Google Scholar ID: FiB5CRgAAAAJ; VIDWAN ID: 238480

DATE: March 05, 2022

EDUCATION

- 2002 Ph.D. Statistics (Design of Experiments) The University of Burdwan,
Burdwan, West Bengal (W.B.), India
1994 Bachelor Teacher's Training The University of Kalyani, Kalyani, W. B., India
1988 M.Sc. Statistics The University of Kalyani, Kalyani, W. B., India
1985 B.Sc. Statistics (Honors), Major: Math. & Physics The University of Kalyani,
Kalyani, W. B., India

APPOINTMENTS

- 2013- till the date Professor, Statistics Dept., The University of Burdwan, Burdwan,
W.B., India
2007- 2013 Associate Professor, Statistics Dept., The University of Burdwan,
Burdwan, W.B., India
Sept., 2019- Nov., 2019 Visiting Professor, Statistics Dept., Seoul National University,
Seoul, South Korea.
Sept. 2018- Feb., 2019 Research Professor, Statistics Dept., Seoul National University.
2006-2007 Postdoctoral Research Fellow, Statistics Dept., Seoul National University,
Seoul, South Korea (for one year)
2005-2009 Guest Faculty, Adult Education Dept., The University of Burdwan, India
2003-2007 Senior Assistant Professor, Statistics Dept., The University of Burdwan
Burdwan, W.B., India
2004-2006 Guest Faculty, Zoology Dept., The University of Burdwan, Burdwan, India
2003-2006 Guest Faculty, Environmental Science Dept., The University of Burdwan
Burdwan, W.B., India
2001-2003 Assistant Professor, Statistics Dept., The University of Burdwan, Burdwan
W.B., India
1999-2001 Assistant Professor, Bidhan Nagar Govt. College, Kolkata, W.B., India
1991-1999 Assistant Master, (Higher Secondary School Level or X + 2 levels),
Ballyguange, Bidhan Nagar Govt. Higher Secondary School, Kolkata, India
1991 Junior Research under Council of Scientific and Industrial Research (CSIR)
Fellow, Indian Statistical Institute, Stat-Math Unit, Kolkata, W.B., India

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1990-1991 Junior Research University Fellow, Statistics Dept., The University of Kalyani, Kalyani, Nadia, W.B., India

AWARDS, FELLOWSHIPS AND HONORS

Editor-In-Chief: Journal of Econometrics and Statistics; Editors, Associate Editors, Editorial Board Members: More than 135 Journals.

*** Manuscript reviewer of many Statistics, Epidemiology, Medical Sciences Journals**

2021 Selected as Ajou Global Fellow (AGF) by Euiho Suh, Ph.D. VP & Chair, UEMC, AJOU University, South Korea 82-10-3534-3201 ehsuh@ajou.ac.kr

2021 Shiksharatna Award 2021 by the Govt. of West Bengal.

2019 Appointed as a Post-doc, Seoul National University, South Korea, for 6 months from September 02, 2018 to March 02, 2020.

2018 Appointed as a Research Professor, Seoul National University, South Korea, for 6 months from September 01, 2018 to February 28, 2019.

2015 Appointed as a Reviewer, Mathematical Reviews

2011 Certificate of Appreciation for outstanding Research by Editor-In-Chief, Journal *Thyroid Science*, given in the Journal Website (for the paper– Das, R.N. (2011). “The Role of Iodine in the Thyroid Status of Mothers and Their Neonates,” *Thyroid Science*, Vol. 6, No. 2, pp. 1-15.)

2009 ‘Gopal Kanji Prize 2009’ by The Journal of Applied Statistics and Routledge Publications for our article published in Volume 36, No. 7, pp. 755-767 (Das, R.N. and Park, S.H. (2009). ‘A measure of robust slope-rotatability for second-order response surface experimental designs’)

GRANTS

2006-07 Post-Doc Research Fellowship, Seoul National University, BK-21, Republic of Korea

1991 Junior Research Fellowship, Council of Science and Industrial Research, Govt. of India

1990-1991 Junior Research Fellowship, West Bengal State Govt., India

1985 National Scholarship, Govt. of India

1980 National Scholarship, Govt. of India

2006-2007 **Principal Investigator**, entitled *Regression analysis with correlated errors and its applications in block designs*, The University of Burdwan, Burdwan, W.B., India, Minor Research Project, UGC, Govt. of India, Rs. 45,000

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2002-2003 **Principal Investigator**, entitled- *Robust Rotatable Designs and its Applications in Reliability Theory*, The University of Burdwan, Burdwan, W.B., India, Minor Research Project, UGC, through The University of Burdwan, Rs. 11,000

TEACHING EXPERIENCES: 27 + YEARS

* **Master's Degree (Graduate Levels, 18 + years):** I have about 17 + years of teaching experience at Master's Levels of The University of Burdwan (Burdwan, W.B., India) students. In Master's Degree Level Statistics courses, I have been teaching Design of Experiments, Linear Models, Regression Analysis, Statistical Data Analysis, Sample Survey, Sampling Distributions, Epidemiology, etc.

In Master's Degree Zoology courses, I have taught Bio-statistics. In Master's Degree Environmental Science courses, I have taught Environmental Statistics. In Master's Degree Diploma courses of Population Studies, I have taught Demography and Basic Statistics.

* **Bachelor's Degree (Under Graduate Levels, 2 years):** I have about 2 years of teaching experience at Bachelor's Degree Levels of Bidhan Nagar Govt. College (Kolkata, W.B., India) students. I have taught Statistics Honours (Descriptive Statistics, Probability Theory, Sampling Distributions, Linear Algebra, Numerical Analysis, Econometrics, etc.) and Statistics Pass (Descriptive Statistics, Probability Theory, Sampling Distributions, Econometrics) courses.

* **Higher Secondary (X + 2) Levels (8 years):** Taught (X + 2) Levels of Ballygaunge & Bidhan Nagar Govt. Higher Secondary Schools (Kolkata, W.B., India).

A. List of courses taught:

1. M. Sc. Statistics 4 Semesters course
2. M. Sc. Statistics 2 years course
3. M. Sc. Zoology 2 years course
4. M. Sc. Environmental Science 2 years course
5. P.G. Diploma Population Studies 1 year course
6. B. Sc. Statistics 3 years Honours course
7. B. Sc. Statistics 2 years Pass course
8. Higher Secondary (X + 2) Statistics 2 years course

B. As Adjunct Faculty and Courses Director:

Statistics Department:

1. **Chairman**, M. Sc. Statistics 4 Semesters course, Statistics Dept., The University of Burdwan, Burdwan, W.B., India
2. **Chairman**, B. Sc. Statistics (Honours) (3 years course), The University of Burdwan, Burdwan, W.B., India
3. **Chairman**, B. Sc. Statistics (General) (3 years) course, The University of

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Burdwan, Burdwan, W.B., India

4. **Convener**, B. Sc. Statistics (Honours) (3 years) course, The University of Burdwan, Burdwan, W.B., India

5. **Convener**, B. Sc. Statistics (General) (3 years) course, The University of Burdwan, Burdwan, W.B., India,

Bio-Technology Department:

6. **Convener**, B. Sc. Part II (Honours) Bio-Technology Examination (3 years course), The University of Burdwan, Burdwan, W.B., India

Bio-Chemistry Department:

7. **Convener**, B. Sc. Part II (Honours) Bio-Chemistry Examination (3 years course), The University of Burdwan, Burdwan, W.B., India

C. As Research Advisor:

* **Ph. D. course:** One Ph. D. Thesis entitled- “Models for Couple Fertility and Related Inference Procedures” has been awarded Ph. D. degree by one of my student Mr. Shankar Dihidar on October 18, 2012, and another student is working on design of Experiments (for Ph. D. Thesis) under my supervision, Dept. of Statistics, The University of Burdwan, Burdwan, W.B., India

* **Master’s Degree course:** Every year on average 4/5 students are working (for Master’s Degree Project) under my supervision, Dept. of Statistics, The University of Burdwan, Burdwan, W.B., India

CITIZENSHIP ACTIVITIES:

D. Memberships in Professional Societies:

* Life member of Calcutta Statistical Association, Kolkata, W.B., India

* Board Member, Primer International Journal of Statistics,

* Editor, Advanced Journal of Physical Sciences (Access International Journals),

* Member of the Faculty Council, The The University of Burdwan, W.B., India

* Examiner of Ph. D. Thesis of Banaras Hindu University, Banaras, U.P., India

* Examiner of M. Sc. Thesis of Visva Bharati University, Shantinekatan, W.B., India

* Reviewer of Manuscripts for Journals: Journal of Applied Statistics, Communications in Statistics & Methods, Bioinformatics, Journal of Korean Statistical Society, Pakistan Journal of Statistics, Calcutta Statistical Association Bulletin, ProbStat Forum, Journal of the Indian Statistical Association, Model Assisted Statistics and Applications, Journal of Statistical Theory and Applications, Journal of the Kerala Statistical Association, Thyroid, Journal IIE Transaction on Health Care System, Engineering.

INVITED LECTURES:

1. Invited speaker in the National Seminar on Recent Advances in Applied Statistics & its applications in Forestry Research, from April 15–17, 2013, at Jabalpur Tropical

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Research Institute, and presented a paper entitled-“Invariant Robust First Order Designs for Lifetime Distributions”.

2. Invited speaker in the 8th International Triennial Calcutta Symposium on Probability and Statistics, Dept. of Statistics, Calcutta University, on December 27–30, 2012 and presented a paper entitled-‘Robust First Order Designs for Lifetime Distributions’.

3. Invited speaker in the National Seminar on Reliability: Theory & Practice, from January 28-29, 2011, Department of Statistics, Calcutta University, presented a paper entitled-“Lifetime distribution variance: Constant or non-constant?”

4. Presented an invited paper entitled- “Randomized block design with correlated errors,” on October 7, 2010, in the Department of Statistics, Chonnam National University, Gwangju 500-757, South Korea.

5. Presented an invited talk entitled- “What is Statistics?,” on October 14, 2010, in the Department of Statistics & Information Science, Dongguk University, Gyeongju 714-780, South Korea.

6. Presented an invited paper entitled- “Robust rotatable designs and its applications in reliability theory,” on October 12, 2005, in the Department of Statistics, Seoul National University, Seoul 151-747, South Korea.

PERSONAL INFORMATION

* **Marital status:** Married

* **Citizenship:** Indian

* **Residency:** Permanent residency India

BRIEF RESEARCH EXPERIENCES & AREAS OF INTERESTS:

Title of my Ph. D. Thesis: SOME CONTRIBUTIONS TO ROBUST ROTATABLE DESIGNS WITH APPLICATIONS IN RELIABILITY THEORY

* **Theoretical Statistics:**

1. Response Surface Design of Experiments–Rotatability & Slope-rotatability; 2. Block Design of Experiments; 3. Regression Analysis; 4. Quality Engineering; 5. Generalized Linear Models (GLMs) and joint GLMs

* **Applied Statistics:**

6. Quality & reliability improvement experts.; 7. Demography; 8. Environmental Sc.
9. Genetics; 10. Hydrogeology; 11. Bio-statistics; 12. Medical Science
13. Epidemiology on Thyroid disease, Liver disease, Diabetes, Carcinoma etc.

* **LIST OF PUBLICATIONS:**

Research Monograph: Das, R.N. (2014). *Robust Response Surfaces, Regression, and Positive Data Analyses*, Chapman & Hall, CRC Publication, London, Cat/ISBN: K14635/9781466506770 (ISBN-10: 1466506776 / ISBN-13: 978-1466506770).

Papers Published and Accepted

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1(a) Saha I and Das RN (2022). The Role of Diastolic Blood Pressure on Myocardial Heart Patients. Int J. Hert& Vasclr Syst. 2022;2(1):13. DOI: 10.51626/ijhvs.2022.02.00006

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1. Karmakar S, Saha I, Sahoo RK, Medda SK, Kottapalli R and Das RN (2021). The glucose level linkages with breast cancer markers. J.Cancer Research and Cellular Therapeutics. 5(2): 1-4.

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2. Karmakar S, Saha I, Sahoo RK, Medda SK, Kottapalli R and Das RN (2021). The Effects of Glucose on Gestational Diabetes Women. Clin J Dia Care Control 2021, 4(1):1-5;180039.
3. Saha I, Sanatombi Devi R and Das RN. (2021) The Impacts of Body Mass Index on Gestational Diabetes Pima Indian Heritage Women. Int J Diabetes Metab Disord 6(2): 143-146.
4. Karmakar S, Saha I, Sahoo RK, Medda SK, Bhattacharjee S and Das RN (2021). Effects of Body Mass Index on Gestational Diabetes Women. Clin J Dia Care Control 2021, 4(1):1-4;180041.
5. Kim J, Bhattacharyya G, Mukherjee S, Das RN (2021). Robust second-order rotatable invariantly designs for some lifetime distributions. Communications in Statistics - Theory and Methods, DOI: 10.1080/03610926.2021.1961001
6. Das RN and Mukherjee S (2021). ROBUST REGRESSION ANALYSIS UNDER A SPECIAL COMPOUND SYMMETRY STRUCTURE. Journal of Econometrics and Statistics, 2021, 1(1): 1-16.
7. Saha I and Das RN (2021). Role of HOMA-IR on Breast Cancer Women. Cancer Ther Oncol Int J, 2021; 19(5):): 556021. DOI: 10.19080/CTOIJ.2021.19.556021.
8. Saha I, Konai D, Medda SK and Das RN (2021). Effects of Insulin on Gestational Pima Indian Heritage Females. . Endocrinology and Disorders. 5(6): DOI:10.31579/2640-1045/092.
9. Das M, Das RN (2021). The Impact of the Clinical History of Diseases on Cardiovascular Risk Factors. Madridge J Intern Emerg Med. 2021; 5(1): 159-161. doi: 10.18689/mjiem-1000136
10. Saha I, Das RN (2021). Role of Insulin Level on Pregnant American (Pima) Indians . J Diabetes Metab. 12:902. doi: 10.35248/2252- 5211.21.12.902
11. Kim J, Das RN, Singh P, Lee Y. Robust second-order rotatable designs invariantly applicable for some lifetime distributions. Communications for Statistical Applications and Methods, 28(6), 463-479
12. Kim J, Bhattacharyya G, Das RN. (2021). Robust first-order efficient designs invariantly applicable for many lifetime distributions. Journal of Econometrics and Statistics, 2021, 1(2), (To be appeared)
13. Chakrabarty D, Das RN, Bhattacharyya G (2021). Associations of Isotopes C^{13} , N^{15} , S^{34} on the Mercury Levels of Different Marine Finfish and Invertebrate Species. Environment and Ecology 39 (4) : 723-728,
14. Saha I, Das RN (2020). Role of Glucose on Breast Cancer Patients. Canc Therapy & Oncol Int J. 2020; 17(4): 555967.
15. Saha I, Das RN (2020). The Functional Activities of Glucose on Pima Indian Heritage Gestational Diabetes Women. EC Endocrinology and Metabolic Research 5(12) (2020): 12-15.

16. Saha I, Das RN (2020). Role of Body Mass Index on Insulin and Glucose for Breast Cancer Women. *EC Endocrinology and Metabolic Research* 5(8) (2020): 01-05.
17. Saha I, Singh P, Medda SK, Das, RN (2020). Associations between Body Mass Index and Breast Cancer Markers. *Journal of Oncology Research*, 2(1):1-7.
18. Kim J, Das RN., Lee Y, Mukherjee S. (2020). Influencing factors of FEV1 and FVC for primary lung cancer patients. *Oncology and Radiotherapy* 1 (50) 2020; 038-043 (14(1)) (Scopus).
19. Das RN, Singh P, Medda SK. (2020). Role of Blood Pressure on Heart Patients. *EC Cardiology* 7(3) (2020): 01-06.
20. Das RN, Lee Y. (2019). Effects of Systolic Blood Pressure on Myocardial Infarction Patients. *ARC Journal of Cardiology* 2019; 5(2): 10-13. DOI: <http://dx.doi.org/10.20431/2455-5991.0502002>
21. Kim J, Das RN, Lee Y. Mukherjee S, Ann H, Medda SK (2019). Inter-Relationships of Cholesterol With Cardiac Factors for Heart Patients. *J Cardiovasc Disease Res.*, 2019;10(4):103-106. (Scopus) DOI: 10.5530/jcdr.2019.4.24.
22. Das RN, Lee Y. (2019). Maximum heart rate influencing factors for cardiac patients. *Austin Cardiology* 2019; 4(1): 1021.
23. Das RN, Lee Y. (2019). Role of Insulin on Breast Cancer Patients. *Austin J Endocrinol Diabetes*. 2019; 6(2): 1069.
24. Das RN, Lee Y. Mukherjee S, Kim J (2019). Relationship of Alanine Aminotransferase (SGPT) with other Liver Biomarkers. *Journal of Gastroenterology, Pancreatology & Liver Disorders* 2019; 7(1):1-5; DOI: 10.15226/2374-815X/7/1/001142
25. Das RN, Lee Y. (2019). The Role of Red Cell Index on Cardiac Factors for Shock Patients. *Austin Hematology* 2019; 4(1):1024.
26. Kim J, Das RN, Lee Y. (2019). Inter-relationship between diabetes and breast cancer biomarkers. *Oncology and Radiotherapy* 1 (46) 2019; 13(3): 082-089 (Scopus)
27. Das RN, Lee Y, Rajkumari SD, Sahoo RK, Konai D. (2019). Influencing Factors for Maximum Heart Rate Achieved for Cardiac Patients. *EC Cardiology ECO.02* (2019): 22-26.
28. Kim J, Das RN, Lee Y, Sahoo RK. Association of monocyte chemoattractant protein-1 with age, glucose, BMI, insulin and other breast cancer biomarkers. *Oncology and Radiotherapy* 1 (46) 2019; 13(1): 005-009 (Scopus)
29. Das RN, Lee Y (2019). Relationship of leptin with glucose, BMI, age, insulin and breast cancer biomarkers. *Arch Gen Intern Med*. 2019;3(1):01-03. DOI: 10.4066/2591-7951.1000e010
30. Das RN, Lee Y. (2019). Association of resistin with BMI, age diabetes and breast cancer biomarkers. *Journal of Oncology Research and Treatment* 4 (1): 135.
31. Das RN, Lee Y (2019). Influencing Factors of Forced Expiratory Volume for Lung Cancer Patients. *Lung, Pulmonary & Respiratory Research Journal*. 2019; 2(1):116.

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32. Kim J, Das RN, Lee Y (2019). Cardiac Index Predicted Factors for Shock Patients. *World Scientific News* 119; 181-191.
33. Das RN, Lee Y (2019) Effects of Hematocrit on Cardiac Parameters for Shock Patients. *Clin Med Rev Case Rep* 6(1;): 5:252. doi.org/10.23937/2378-3656/1410252
34. Das RN, Lee Y, Sengupta S, Sahoo RK, Mukherjee S (2019). Complex Association of Albumin with Other Liver Biomarkers. *EC Gastroenterology and Digestive System* 6(2), pp. 132–137.
35. Das RN, Lee Y, Grover G, Bhattacharyya G (2019). The role of body surface index on cardiac parameters. *The Cardiologist* 3(1), pp. 26–33.
36. Das RN, Lee Y, Mukherjee S, Oh S (2019). Relationship of body mass index with diabetes & breast cancer biomarkers. *J Diabetes and Management*. 9(1), 163-168
37. Das RN, Lee Y (2018). Association of Serum Adiponectin with Age, BMI and Other Breast Cancer Biomarkers. *J Blood Lymph* 8(4): 233. doi: 10.4172/2165-7831.1000233
38. Das RN, Lee Y, Oh S. (2018) The Determinants Of Mean Central Venous Pressure For Shock Patients. *J. Clin Trial Cardiol* 5(2): 1-5.
39. Das RN, Lee Y (2018). Impact of Hemoglobin on Cardiac Parameters for Shock Patients. *EC Cardiology* 5(12):858-862.
40. Das RN, Lee Y (2018). The Functional Role of Blood Elements on Cardiac Factors. *Heart Sci Heart Surg J* 2018, 1(1): 180004.
41. Das RN, Lee Y (2018). Role of blood biochemical components on cardiac parameters for shock patients. *Arch Gen Intern Med*.2018;2(4):27-29. DOI: 10.4066/ 2591-7951.1000e101
42. Das, R.N. and Lee Y (2018). The Explanatory Factors of Forced Vital Capacity of Primary Lung Cancer Patients Who Underwent Lung Resections. *J Biomol Res Ther* 7(2): e161. doi:10.4172/2167-7956.1000e161
43. Das, R.N. and Lee Y (2018). Relationship of Urinary Output with Cardiac & Biochemical Parameters of Shock Patients. *J Biomol Res Ther* 7(2): e162. doi:10.4172/2167-7956.1000e162
44. Das, R.N., Lee Y and Bhattacharyya G. (2018). Effects of Plasma Volume and Red Cell Index on Cardiac Parameters for Shock Patients. *J Blood Lymph* 8(3): 228. doi: 10.4172/2165-7831.1000228
45. Sharma A, Ravi V, Grover G, Das RN, Varshney MK (2018). A Correlation Technique to Reduce the Number of Predictors to Estimate the Survival Time of HIV/AIDS Patients on ART. *International Journal of Statistics in Medical Research* 2018;7(4): 129-136.
46. Das, R.N. and Medda, S.K. (2018). The Role of Some Food Habits on Cancer. *EC Nutrition* 13(9):1–3.
47. Das, R.N. (2018). Determinants of total bilirubin for liver patients, *J Liver Res Disord Ther*, 4(3):130–134. DOI: 10.15406/jlrtdt.2018.04.00115

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48. Das, R.N. (2018). The Associated Factors of Direct Bilirubin for Liver Patients. *Curr Trends Biomedical Eng & Biosci*, 15(3):1–4; 555913. DOI: 10.19080/CT-BEB.2018.15.555913.
49. Das, R.N. (2018). The Total Bilirubin Explanatory Factors of Liver Patients, *J. of Biomolecular Research & Therapeutics*, 7(2), DOI: 10.4172/2167-7956.1000e160
50. Das, R.N. (2018). The Role of Dobutamine Dose on the Cardiac Parameters, *Cardiovascular Pharmacology: Open Access*, 7(2): DOI: 10.4172/2329-6607.1000238
51. Das, R.N., Mukherjee, S., and Sharma, I. (2018). Alkaline Phosphatase Determinants of Liver Patients, *JOP. J Pancreas (Online)*, Jan 29; 19(1):1-6.
52. Ibrahimov A, Kar SK, Das R (2017) Current Trends in Heart and Cardiovascular Research. *J Heart Cardiovasc Res. Vol. 1 No. 1: e102.*
53. Das, R.N. (2017). Systolic & Diastolic Blood Pressure Determinants of Shock Patients, *J Heart Cardiol*, 3(2): 46- 52. DOI: 10.15436/2378-6914.17.1740
54. Das, R.N. (2017). The role of history of disease factors in the congenital heart disease in adults, *Interventional Cardiology: Open Access*, 9(6): 263–266 (Commentary).
55. Das, R.N. (2017). Cardiac Disease and Diabetes Mellitus: Correlated? *Journal of General Practice (Los Angel)*, 5(5):327. doi:10.4172/2329-9126.1000327
56. Das, R.N. (2017). The mean arterial blood pressure determinants, *EC Cardiology*, 4(1):14–16. (Commentary)
57. Das, R.N. (2017). Shock patients heart rate variability factors, *Journal of Cardiovascular Medicine and Therapeutics*, 1(2):19–23.
58. Das, R.N. (2017). The Central Venous Pressure Causality Factors, *Journal of General Practice (Los Angel)*, 5(3):e116. DOI: 10.4172/2329-9126.1000e116 (Editorial)
59. Das, R.N. (2017). Cardiac Index Determinants, *EC Cardiology*, 3(4):112–114. (Editorial)
60. Das, R.N. (2017). Systolic Blood Pressure Determinants, *Annals of Clinical Hypertension*, 1: 032–038.
61. Das, R.N., Lee, Y. and Mukhopadhyay, B.B. (2017). The basal, peak and maximum heart rate determinants of the cardiac patients who underwent dobutamine stress echocardiography, *Mathews Journal of Cardiology*, 2(2):013
62. Das, R.N. (2017). Forced expiratory volume factors of stage III non-small cell lung cancer patients, *Arch Gen Intern Med*, 1(3):3-7.
63. Das, R.N. (2017). Determinants of Cardiac Ejection Fraction for the Patients with Dobutamine Stress Echocardiography, *Epidemiology (Sunnyvale)*, 7(3):307. DOI: 10.4172/2161-1165.1000307
64. Das, R.N. (2017). Mean Heart Rate Factors of Shock Patients, *Journal of Heart and Cardiovascular Research*, 1(2):1-3 (Editorial).
65. Das, R.N., Kim, J. and Mukherjee, S. (2017). Correlated log-normal composite error models for different scientific domains, *Model Assisted Statistics and Applications*, 12(1):39-53. DOI 10.3233/MAS-160382

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66. Das, R.N. (2017). Association between cholesterol and cardiac parameters, *J Cholest Heart Dis*, 1(1):3-7.
67. Das, R.N. (2017). Association between diabetes markers and cholesterol, *Diabetes Management*, 7(2):247-249. (Editorial)
68. Das, R.N. and Mukherjee, S. (2017). Mean-variance overall survival time fitted models from stage III non-small cell lung cancer, *Epidemiology (Sunnyvale)*, 7(1):296. DOI: 10.4172/2161-1165.1000296
69. Das, R.N. (2017). The mean heart rate associations of the DSE data, *Interventional cardiology Journal*, 3(1):1-3. DOI: 10.21767/2471-8157.100041 (Editorial).
70. Das, R.N. and Late Mukhopadhyay, A.C. (2017). Correlated random effects regression analysis for a log-normally distributed variable, *Journal of Applied Statistics*, 44(5):897–915 <http://dx.doi.org/10.1080/02664763.2016.1189518>
71. Das, R.N. (2017). High-performance concrete compressive strength's mean-variance, *Journal of Materials in Civil Engineering*, 29(5): 05016003 : DOI: 10.1061/ (ASCE)MT.1943-5533.0001795.
72. Das, R.N.(2016). Diabetes and obesity determinants based on blood serum, *Endocrinology & Diabetes Research*, 2(2):1-6.
73. Das, R.N.(2016). Diabetes disease progression determinants, *BAOJ Diabetes*, 2(2):015.
74. Das, R.N.(2016). Determinants of acute myocardial infarction of Worcester heart attack study, *Journal of Heart and Cardiology*, 2(4): 1–7. DOI: 10.15436/2378-6914.16.1165
75. Das, R.N., Mukherjee S., and Panda, R.N.(2016). Association between body mass index and cardiac parameters of Worcester heart attack study, *BAOJ Cellular & Molecular Cardiology*, 2(1):006
76. Das, R.N. (2016). Hypertension Risk Factors of Shock Patients, *Health Care: Current Reviews*, 4(4):177 doi: 10.4172/2375-4273.1000177
77. Das, R.N. (2016). Dobutamine Dose: What are its Effects? *Interventional Cardiology Journal*, 2(3):1–3; DOI: 10.21767/2471-8157.100031
78. Das, R.N. (2016). Diabetes Risk Factors for Chronic Kidney Patients, *Journal Diabetes and Obesity*, 3(3): 1–3; DOI: 10.15436/2376-0494.16.1055; SCI.
79. Das, R.N. (2016). Cardiac Risk Factors for Patients under DSE, *General Medicine: Open access* (Los Angeles), 4(5):1–2; doi: 10.4172/2327-5146.1000270
80. Das, R.N. (2016). Blood Pressure for Different Types of Patients, *Interv Cardiol J*, 2(2):e29; 1–3, DOI: 10.21767/2471-8157.100029
81. Das, R.N. (2016). Hypertension risk factors who underwent Dobutamine stress echocardiography, *Interventional Cardiology: Open Access* 8(1), 595–605; 10.2217/ica.15.47 2016 (SCI).
82. Das, R.N. (2016). Diabetes Mellitus & Cardiovascular Disease: Co-Existence? *BAOJ Diabetes*, 2(1):010; 1–3.

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83. Panda, R.N. and Das, R.N. (2016). Reduction of cost of experimentation using sequential rotatable designs, *ProbStat Forum*, Vol. 09, pp. 44–49.
84. Das, R.N.(2016). Relationship Between Diabetes Mellitus and Coronary Heart Disease, *Current Diabetes Reviews*, Vol. 12, No. 3 , pp. 1–12; 1573-3998/16.
85. Mondal, S.K., Kundu, S., Das, R.N., Roy, S. (2015). Analysis of phylogeny and codon usage bias and relationship of GC content, amino acid composition with expression of the structural nif genes, *Journal of Biomolecular Structure and Dynamics*, DOI: 10.1080/07391102.2015.1087334 (SCI).
86. Late Mukhopadhyay, A.C. and Das, R.N. (2015). Inference on log-linear regression model parameters with composite autocorrelated errors, *Model Assisted Statistics and Applications*, Vol. 10, No. 3, pp. 231–242 (SCOPUS).
87. Mondal, S.K., Das, R.N., Kundu, S., Kim, J., Grover, G., and Ansari, S.A. (2015). “Mean Variance Relationships of Genome Size and GC Content”, *Annual Research & Review in Biology*, Vol. 7(4), pp. 206–221 (Article No. ARRB.2015.123).
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92. Das, R.N. (2014a). Determinants of Diabetes Mellitus in the Pima Indian Mothers and Indian Medical Students, *The Open Diabetes Journal*, Vol. 7, pp. 5-13 (Open Access) (SCOPUS).
93. Das, R.N. and Park, J.S. (2014). A reinforced randomized block design with correlated errors, *Communications in Statistics & Methods*, Vol. 43, No. 1 pp. 191-209; DOI: 10.1080/03610926.2011.650272 (SCIE).
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RESEARCH ACTIVITY:

A. PARTICIPATED IN WORKSHOPS:

1. Participated in the “International Workshop on Regression Methodology in Statistics,” February 13 - 22, 1995, at I.S.I., Kolkata.

2. Participated in the “International Workshop on Optimal Experimental Designs with Applications,” December 19 -28, 1996, at Sambalpur University, Orissa, conducted by I.S.I.

3. Invited Participant in “Research Level Exposition On Optimal Designs with Reference to Growth Curve Models and Random Coefficient Regression Models”, November 28-29, 1997, at I.S.I., Kolkata.

4. Invited Participant in “National symposium on planning of experiments and analysis of data”, September 30, 2002 to October 05, 2002 at Kalyani University, Kalyani.

5. Invited Participant in the “International Workshop on Experimental Designs–Theory and Applications,” November 25-29, 2002, at I.S.I., Kolkata.

6. Invited Participant in the “National Workshop on Undocumented Migration from Bangladesh to West Bengal,” January 10, 2003, at I.S.I., Kolkata.

B. PRESENTED PAPERS IN SYMPOSIUM AND WORKSHOP:

1. Presented a paper entitled “Second Order Rotatable Designs with Correlated Errors,” in the 2nd International Triennial Calcutta Symposium, Dept. of Statistics, Calcutta University, on December 30, 1994 to January 1, 1995.

2. Presented a paper entitled “Optimum Robust First Order Rotatable Designs,” in International Workshop on Optimal Experimental Designs with Applications, December 19 -28, 1996, at Sambalpur University, Orissa, conducted by I.S.I.

3. Presented a paper entitled “Optimum Robust First Order Rotatable Designs,” in the 3rd International Triennial Calcutta Symposium, Dept. of Statistics, Calcutta University, on December 26-28, 1997.

4. Presented a paper entitled “Robust Second Order Rotatable Designs: Part-II” in the National Symposium On Design of Experiments, Dept. of Statistics, Kalyani University, on March 5-6, 1999.

5. Presented a paper entitled “Slope Rotatability with Correlated Errors,” in the National Symposium on Statistics, Dept. of Statistics, Calcutta University, on December 31, 2000-January 1, 2001.

6. Invited Participant in “National symposium on planning of experiments and analysis of data”, to present a paper entitled- ”Construction of Robust Second Order Rotatable Designs”, on October 04-05, 2002 at Kalyani University, Kalyani.

7. Invited Participant in the “International Workshop on Optimal Experimental Designs with Applications,” to present a paper entitled- “Robust Second Order Rotatable Designs: Part-III,” on November 25-29, 2002, at I.S.I., Kolkatta.

8. Invited Participant in “9th International Conference on Statistics, Combinatorics and related areas”, to present a paper entitled- “Slope Rotatability with Correlated Errors,” on December 21 to 23, 2002, at University of Allahabad, Allahabad.

9. Invited Participant in “International Symposium on Emerging Strategies for Improving Productivity, Quality and Reliability”, to present a paper entitled-“A Role of Response Surface Methodology in Improving the Quality of a System: Part-I,” from December 12 to 14, 2003, in Kolkata, Organised by Indian Association For Productivity, Quality and Reliability (IAPQR).

10. Presented an invited paper entitled “Robust Rotatable Designs and its Applications in Reliability Theory,” in the Department of Statistics, Seoul National University, Seoul 151-747, South Korea, on October 12, 2005.

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11. Presented an invited paper in the National Conference, The Korean Statistical Society, in Korea, entitled- “A Measure of Robust Slope-rotatability for Second Order Response Surface Experimental Designs,” in Bushan, South Korea, from May 26-29, 2007.

12. Invited Participant in the “The 2007 International Association for Statistical Computing - Asian Regional Section Special Conference, Theme: Pan-Asian Collaboration between Statisticians,” to present a paper entitled- “On Exact D-optimal designs with tri-diagonal errors,” from June 7 to 8, 2007, at Press Center, Seoul, Korea.

13. Invited Participant in the “The Platinum Jubilee Celebrations– International Conference on Statistical Paradigms: Recent Advances and Reconciliations ICSPRAR-2008, at Indian Statistical Institute, Kolkata, India, January 1-4, 2008”, to present a paper entitled—“Improving resistivity of urea formaldehyde resin through joint modeling of mean and dispersion”.

14. Invited Participant in the “International Conference” in Hanoi at Press Club, Vietnam, November 30, 2008 to December 3, 2008, to present a paper entitles—“A Measure of Robust Slope-rotatability for Second Order Response Surface Designs”.

15. Participated in the 7th International Triennial Calcutta Symposium on Probability and Statistics, Dept. of Statistics, Calcutta University, on December 28–31, 2009 and presented a paper entitled- “Joint Generalized Linear Models versus Dual Response Surface approach for analyzing data from Quality Improvement Experiments” on December 30, 2009.

16. Participated in the 12th National Conference of Statistical Society and Computation, Dept. of Statistics, Visva Bharati University, Shantinekatan, February 24-26, 2010, and presented a paper entitled- “Role of Iodine to mother and Neonate: A mathematical Models based study,” on February 25, 2010.

17. Participated in the 64th Annual Conference & National Seminar on Statistics and Informatics for Massive Data Sets, Organised by Department of Agricultural Statistics, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur & Department of Statistics, University of Kalyani, December 03-05, 2010, and presented a paper entitled- “Discrepancy in fitting between log-normal and gamma models: An illustration,” on December 04, 2010.

18. Participated in the National Seminar on Reliability: Theory & Practice, from January 28-29, 2011, Department of Statistics, Calcutta University, and presented a paper entitled- “Lifetime distribution variance: Constant or non-constant?”

19. Participated in the National Conference on Application of Statistics in Life Science and Engineering from December 10-11, 2011, Department of Agril. Extension, Agril. Economics & Agril. Statistics, Visva-Bharati, and presented two papers entitled- (i) Determinants of Diabetes Mellitus in the Pima Indian Mothers and Indian Medical Students” and (ii) Optimal Location of Process Parameters in Quality Engineering via Response Surface and GLMs: Some Illustrations”.

20. Participated in the One Day National Conference on Application of Statistics in

Industry, Social and medical sciences, on March 30, 2012, and presented a paper entitled-“Dual Response Surface Methodology: Applicable Always?”

21. Invited speaker in the 8th International Triennial Calcutta Symposium on Probability and Statistics, Dept. of Statistics, Calcutta University, on December 27–30, 2012 and presented a paper entitled-“Robust First Order Designs for Lifetime Distributions”.

22. Invited speaker in the National Seminar on Recent Advances in Applied Statistics & its applications in Forestry Research, from April 15–17, 2013, at Jabalpur Tropical Forest Research Institute, and presented a paper entitled-“Invariant Robust First Order Designs for Lifetime Distributions”.

Presented a contributed paper entitled- ”Role of Mean variance Modeling in Scientific Research: An illustration in Medical Sciences”

Chaired on a Technical Session, in the same Seminar.

VISITING ABROAD:

1. Visited Prof. S.H. Park, Department of Statistics, Seoul National University, Seoul, Korea, for joint research work, from October 05 to 19, 2005, and we have jointly published 10 papers, which are partially supported by a Project grant (R01-2003-000-10220-0) from the Korean Science and Engineering Foundation, and by the Second Stage Brain Korea 21 Project.

2. Invited for “Post Doctoral Position” in the Department of Statistics, Seoul National University, Seoul, Korea, from September 01, 2006 to February 28, 2007, to work with Prof. S. H. Park and, I joined as a Post-Doc Fellow (Second Stage Brain Korea 21 Project) on September 05, 2006, and worked until February 28, 2007.

3. Invited for “Post Doctoral Position” in the Department of Statistics, Seoul National University, Seoul, Korea, from March 01, 2007 to August 31, 2007, to work with Prof. Y.J. Lee and, I joined as a Post-Doc Fellow (Second Stage Brain Korea 21 Project) on March 01, 2007 and worked until August 29, 2007, and we have jointly published 03 papers.

4. Visited Prof. J.S. Park, Department of Statistics, Chonnam National University, Korea, from October 06 to 11, 2010, and we have jointly published 02 papers.

5. Visited Dr. J. Kim, Department of Statistics, Dongguk University, Gyeongju, Korea, from October 12 to 19, 2010, and we have jointly published 02 papers.

6. Visited Prof. Y. Lee, Department of Statistics, Seoul National University, Seoul, Korea, from October 20 to 23, 2010, and we have jointly published 03 papers.

7 Visited Prof. Y. Lee, Department of Statistics, Seoul National University, Seoul, Korea, as a Research Professor from September 01, 2018 to February 28, 2019, and we have jointly published 12 papers.

8 Visited Prof. Y. Lee, Department of Statistics, Seoul National University, Seoul, Korea, as a Visiting Professor from September 01, 2019 to November 30, 2019, and we have jointly published 08 papers.

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1. Prof. Sung H. Park, Department of Statistics, College of Natural Sciences, Seoul National University, Seoul 151-747, South Korea, e-mail: parksh@snu.ac.kr
2. Prof. Youngjo Lee, Department of Statistics, College of Natural Sciences, Seoul National University, Seoul 151-747, South Korea, e-mail: youngjo@snu.ac.kr
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