- **NAME**: **Nabendu Pal**   D. O. B.: December 14, 1964

- **ADDRESS**:

Work:	*Home*:
Dept of Mathematics	111 Lockeport Circle
University of Louisiana at Lafayette *****	Lafayette
Lafayette, LA 70504-1010, USA	LA 70508-6462, USA
E-mail: *nxp3695@louisiana.edu*	*nabendupal@gmail.com*

  (***** Formerly *University of Southwestern Louisiana*)

337 - 482 - 5279 (W-Ph)	337 - 988 - 3928 (H-Ph)
337 - 482 - 5346 (W-Fax)	337 - 381 - 4266 (Mobile)

1. **CURRENT POSITION**: 1. Professor (August 2001 – Present)
                    University of Louisiana at Lafayette, USA

               2. Adjunct Professor and Advisor
                 Ton Duc Thang University, Vietnam

- **OTHER POSITIONS HELD**:

    1. Chair, Departmental Executive Committee / Acting Dept. Head, AY 2018-19

    2. Department Graduate Coordinator (August'01 – July'05)

    3. Assistant Professor (August' 89 - July' 94) &
       Associate Professor (August'94 - July'01), University of Louisiana
       at Lafayette (*Formerly University of Southwestern Louisiana*)

    4. Visiting Assistant Professor (Jan - May' 89)
       University of Arkansas, Fayetteville, Arkansas 72701, USA

    5. Visiting Scientist, Division of Theoretical Statistics & Mathematics,
        Indian Statistical Institute, Calcutta, India, (Summer 1992,
        Summer 1994, Summer 1996, Summer 1997, Summer 1998)

    6. Visiting Faculty: Tamkang University (Taiwan), Summer 2006, Dec. 2016;
       Ming Chuan University (Taiwan), Summer 2007

    7. Adjunct Professor, Ton Duc Thang University, Vietnam (2017 – present)

2. **EDUCATION**:

    1. Ph. D. in Statistics
       Univ. of Maryland Baltimore County (UMBC), July, 1989

    2. M. Stat. (Master of Statistics)
       Indian Statistical Institute, Calcutta, India, June, 1986

    3. B. Stat. (Bachelor of Statistics)
       Indian Statistical Institute, Calcutta, India, June, 1984

3. **GRADUATE LEVEL COURSES TAUGHT**:

    1. Mathematical Statistics (Statistical Inferences)
    2. Applied Multivariate Analysis
    3. Applied Regression
    4. Design of Experiments
    5. Sample Surveys
    6. Reliability
    7. Advanced Inference (Statistical Decision Theory)
    8. Advanced Multivariate Analysis
    9. Special Topics in Statistics (Asymptotic Theory)
    10. Biostatistics

4. **UNDERGRADUATE COURSES TAUGHT**

    1. Elementary Statistics
    2. Introductory Biostatistics
    3. Calculus – I, II, III
    4. Operations Research
    5. Biometry

5. **RESEARCH INTEREST**:

    1. Decision Theory & Bayesian Analysis
    2. Reliability & Life testing
    3. Biostatistics

6. **HONORS**: (1) Recipient of the National Scholarship, awarded by the Ministry of Education & Culture, Government of India, 1979.

    (2) Nominated member of the Phi-Kappa-Phi Honor Society, University of Maryland Chapter, 1988.

    (3) Won the Best Presentation prize in the `Graduate Student Research Day', University of Maryland, 1988.

    (4) Recipient of the American Statistical Association Scholarship to

attend summer conference sponsored by the American Statistical
Association and Southern Regional Conference on Statistics, 1987.

(5) Recipient of "2016 Outstanding Research Professor" award, given
by the College of Sciences, University of Louisiana at Lafayette.

(6) Recipient of the *Outstanding Research Professor Award*, 2016,
College of Sciences, University of Louisiana at Lafayette

- **SERVED AS A REFEREE FOR**:

    1. Journal of Multivariate Analysis
    2. Annals of the Institute of Statistical Mathematics
    3. Statistics & Decisions
    4. Communications in Statistics
    5. Journal of Statistical Computation & Simulation
    6. The American Statistician
    7. Statistics & Probability Letters
    8. American Mathematical Monthly
    9. Annals of Statistics
    10. Statistics
    11. Computational Statistics
    12. Sankhya: The Indian Journal of Statistics

- **EDITORIAL BOARD MEMBER**:

    1. Journal of Future Studies (Tamkang University, Taiwan)
    2. Calcutta Statistical Association Bulletin
    3. Sankhya: The Indian Journal of Statistics (Series B)

- **GRANTS**:

 1. Faculty Summer Research Grant, Univ. of Southwestern Louisiana, Summer 1991,
    $3,450.

 2. Faculty Development Grant, Univ. of Southwestern Louisiana, Fall 1992, $550.

 3. Young Researchers' Grant for Writing Workshop, Institute of Mathematical
    Statistics, $1,100.

 4. Young Researchers' Grant to attend the First North American Young Researchers'
    Meeting at Univ. of California - Berkeley, Institute of Mathematical Statistics,
    Summer 1993.

 5. Faculty Summer Research Grant, Univ. of Southwestern Louisiana, Summer 1993,

$3,855.

6. 'Coastal Wetland Planning, Protection & Restoration', Department of Natural Resources (DNR), State of Louisiana, 1993 – 1996, DNR Agreement No. 25085-93-10, $40,000.

7. Conference Grant for the Second North American Meeting of New Researchers in Statistics & Probability. National Science Foundation, Summer 1995. Grant No. DMS 9504227, $10,150.

8. Conference Grant for the Second North American Meeting of New Researchers in Statistics & Probability. National Security Agency, Summer 1995. Grant No. MSPF 95C-172, $10,000.

9. 'Statistical Consultant - Coastal Wetland Planning, Protection and Restoration Act (CWPPRA)', Department of Natural Resources, State of Louisiana, June, 1993 – June, 1996. DNR agreement No. 25085-93-10, $40,000.

10. 'Coastal Wetland Planning, Protection & Restoration', Department of Natural Resources (DNR), State of Louisiana, July, 1996 - June, 1999. DNR Agreement No. 25085-96-07, $20,000.

11. 'Statistical Consulting Support to Coastal Wetland Planning, Protection & Restoration Act (CWPPRA) Monitoring Program', Department of Natural Resources (DNR), State of Louisiana, July, 1999 - June, 2002. DNR Agreement No. 2503-00-26, $20,000.

12. 'Statistical Consulting Support to Coastal Wetland Planning, Protection & Restoration Act (CWPPRA) Monitoring Program', Department of Natural Resources (DNR), State of Louisiana, July, 2002 - June, 2005. DNR Agreement No. 2503-03-02, $22,800.

13. 'Statistical Consulting Support to Coastal Wetland Planning, Protection & restoration Act (CWPPRA) Monitoring program', Department of natural resources (DNR), State of Louisiana, July, 2005 – June 2008. DNR Agreement No. 2503-06-06, $14,400.

14. 'Continuous Structured Population Models with Application to Green Tree Frogs', (Co-PI, in a group of three investigators including the PI), National Science Foundation, Contract No. DMS-0718465, September 2007 – August 2010, $250,000

15. 'A Workshop on Hellinger Distance with Applications', Faculty Development Grant (Office of Academic Planning & Faculty Development), Fall 2008, $500.

16. 'A Biostatistics Workshop on Survival Analysis with Applications in Cancer Studies', Faculty Development Grant (Office of Academic Planning & Faculty Development), Fall 2009, $500.

17. 'Modeling of Short-Term and Long-Term Marine Mammal Population Trends in the Vicinity of the Deepwater Horizon Oil Spill Using Passive Acoustic Monitoring Cues', (Co-PI, in a group of three investigators including the PI), National Science Foundation, Contract No. DMS - 1059753, September 2010 – August 2011, $192,197.

18. 'Smooth Transition for Advancement to Graduate Education (STAGE) for Underrepresented Minorities in Mathematical Sciences: A Pilot project', (PI, in a group of four investigators), National Science Foundation, January 2011 – December 2013, $548,880.

- **<u>OTHER EXPERIENCES</u>**:

   1. Vice-President (05/92 - 04/93 and 05/01 - 04/02),
      Louisiana Chapter, American Statistical Association.

   2. President (05/93 - 04/94 and 05/02 - 04/03),
      Louisiana Chapter, American Statistical Association.

   3. Secretary-Treasurer (May'94 - Apr'95), Louisiana Chapter,
      American Statistical Association.

   4. Member of the New Researchers' Committee (Aug'93- Jul'95)
      Institute of Mathematical Statistics.

   5. Grant Reviewer, U. S. Environmental Protection Agency.

   6. Given numerous talks at National/International meetings
      and conferences.

   7. Member, Graduate Faculty Peer Review Committee, College of
      Sciences (1999-2001), University of Louisiana at Lafayette (ULL).

   8. Departmental consultant for statistical projects. (Provide service to
      local businesses, industries and law offices on statistical data
      analyses.)

   9. Appeared before courts (both parish as well as federal) as an expert
      witness on several legal cases. Analyzed datasets to investigate
      various types of biases.

- **DOCTORAL STUDENTS SUPERVISED** (and currently employed at):

  1. Dr. Abdulaziz Elfessi (1992) (University of Wisconsin - La Crosse)
  2. Dr. Ingrid Guo (1992) (Senior Director, Javelin Direct)
  3. Dr. David Mark Carpenter (1992) (Auburn University, Alabama)
  4. Dr. Ching-Hui Chang (1994) (Ming Chuan University, Taipei, Taiwan)
  5. Dr. Chia-Hua Ling (1995) (Shih Chien University, Taiwan)
  6. Dr. Jyh-Jiuan Lin (1996) (Tamkang University, Taipei, Taiwan)
  7. Dr. Wooi, K. Lim (1996) (William Paterson University, New Jersey)
  8. Dr. Alvard Y. Arazyan (2002) (Boston University, Massachusetts)
  9. Xing Yang (2011) (Jackson State University, Mississippi)
  10. Suntaree Unhapipat (2015) (Mahidol University, Bangkok, Thailand)
  11. Uyen Huynh (2021) (University of Economic & Law, HCMC, Vietnam)
  12. Matinee Sudsawat (2021) (Mahidol University, Thailand)

- **POST-DOCTORAL RESEARCHERS SUPERVISED**

  1. Dr. Suntaree Unhapipat (Mahidol University, Bangkok, Thailand)
  2. Dr. Phontita Thiuthad (Prince of Songkla University, Hatyai, Thailand)

- **RESEARCH PUBLICATIONS (Papers)**:

1. (1987). `Non-random Segregation: Uniformly Most Powerful Test and Related Considerations' (with Majumder, P. P.). *Genetic Epidemiology*, 4, 277 - 287.

2. (1988). `Decision Theoretic Estimation of Generalized Variance and Generalized Precision'. *Communications in Statistics, Theory & Methods*, Vol. 17, No 12, 4221 - 4230.

3. (1989). `Improved Estimators of Dispersion of an Inverse Gaussian Distribution' (with Sinha, B. K.). In *Statistical Data Analysis & Inference*, edited by Dodge, Y. (North Holland), 215 - 222.

4. (1989). `Estimation of generalized Variance Under Entropy Losses: Admissibility Results'. *Calcutta Statistical Association Bulletin*, Vol. 38, 147 - 156.

5. (1990). `Estimation of Common location of Several Exponentials' (with Sinha, B. K.). *Statistics & Decisions*, Vol. 8, No 1, 27 - 36.

6. (1990). `Tests of Non-random Segregation Under Linkage for Autosomal Recessive Disease' (with Majumder, P. P.). *Statistics in Medicine*, Vol. 9, 573 - 582.

7. (1990). `Estimating the Dispersion of an Inverse Gaussian Distribution. *Technical Report 90-1, Dept of Statistics, Univ. of Southwestern Louisiana*, Lafayette, Louisiana, USA.

8. (1990). `A Note on Estimating the Common Location of Several Normal Populations'. *Technical Report 90-3, Dept of Statistics, Univ. of Southwestern Louisiana*, Lafayette, Louisiana, USA.

9. (1990). `A Statistical Analysis of Stack Filters with Applications to Designing Robust Image Processing Operators' (with Chu, C. H. and Efe, K.). *Proceedings of the International Workshop on Robust Computer Vision, IEEE Computer Society*, Seattle, USA.

10. (1991). `On location and Scale parameters of Exponential Distributions with Censored Observations' (with Elfessi, A.). *Communications in Statistics, Theory & Methods*, Vol. 20, No 6, 1579 - 1592.

11. (1991). `Estimation of Location Parameters of Several Exponential Distributions' (with Jin, C.). *Communications in Statistics, Theory & Methods*, Vol. 20, No 12, 3995 - 4003.

12. (1991). `A Note on Location Parameters of Two Exponentials Under Order Restricted Set-up (with Jin, C.). *Communications in Statistics, Theory & Methods*, Vol. 20, No 10, 3147 - 3158.

13. (1992). `On Order Restricted Location Parameters of two Exponential Distributions' (with Kushary, D.). *Statistics & Decisions*, Vol. 10, No 1-2, 133 - 152.

14. (1992). `On Invariance and Maximum Likelihood Estimation' (with Berry, C.). *The American Statistician*, Vol. 46, No 3, 209 - 212.

15. (1992). `Estimation of the Smaller and Larger of Two Exponential Location Parameters' (with Carpenter, M. and Kushary, D.). *Communications in Statistics, Theory & Methods*, Vol21, No 4, 883 - 895.

16. (1992). `Estimation of the Smaller and Larger of Two Uniform Scale Parameters' (with Elfessi, A.). *Communications in Statistics, Theory & Methods*, Vol. 21, No 10, 2997 - 3015.

17. (1992). `A Note on the trace of a Normal Dispersion matrix' (with Guo, Y. Y.). *Statistics & Probability Letters*, Vol. 14, No 4, 349 - 353.

18. (1992). `On Common Location of Several Exponentials Under a Class of Convex Loss Functions' (with Jin, C.). *Calcutta Statistical Association Bulletin*, Vol. 42, 191 - 200.

19. (1992). `A Note on the Common Mean of Two Normal Populations with Order Restricted Variances' (with Elfessi, A.). *Communications in Statistics, Theory & Methods*, Vol. 21, No 11, 3177 - 3184.

20. (1992). `A Sequence of Improvements over the James-Stein Estimator' (with Guo, Y. Y.), *Journal of Multivariate Analysis*, Vol. 43, No 2, 302 - 317.

21. (1993). `Estimating the Normal Dispersion Matrix and the Precision Matrix from a Decision Theoretic Point of View: A Review. *Statistiche Hefte/Statistical Papers*, Vol. 34, 1 - 26.

22. (1993). `Improvements over the James-Stein Estimator: A Risk Analysis' (with Lin, J. J. and Chang, C. H.). *Journal of Statistical Computation & Simulation*, Vol. 48, 117 - 126.

23. (1994). `Unbiased Equivariant Estimation of a Common Normal Mean Vector with One Observation from Each Population' (with Krishnamoorthy, K.). *Statistics & Probability Letters*, 19, 33 - 38.

24. (1994). `A Regression Model for Experimental Data from Temporal 3-Consistency Problem' (with Mitra, D. and Loganantharaj, R.). *Work Shop Note, American Association of Artificial Intelligence*, Seattle, Washington, USA.

25. (1995). `Estimation of the Smaller and Larger of Two Exponential Location Parameters with a Common Unknown Scale Parameter' (with Carpenter, M.). *Calcutta Statistical Association Bulletin*, No 177 - 178, 61 - 72.

26. (1995). `Admissibility of Estimators with Unbounded Precision' (with Anderson, C.). *Annals of Statistics*, Vol. 23, No 2, 593 - 597.

27. (1995). `Estimation of a Multivariate Normal Mean vector and Local Improvements' (with Sinha, B. K., Choudhury, G. and Chang, C. H.). *Statistics*, 26, 1 - 17.

28. (1995). `Improved Minimax Estimation of Powers of the Variance of a Multivariate Normal Distribution Under Entropy Loss Function' (with Ling, C.). *Statistics & Probability Letters*, Vol. 24, 205 - 211.

29. (1995). `Improved Estimation of a Multivariate Normal mean vector and the Dispersion Matrix: How One Affects the Other' (with Elfessi, A.). *Sankhyā: The Indian Journal of Statistics, Series A*, Vol. 57, Part 2, 267 - 286.

30. (1996). `Estimation of a Normal Scale Parameter Under a Balanced Loss Function' (with Ling, C.). *Journal of the Indian Statistical Association*, Vol. 34, No 1, 21 - 38.

31. (1996). `Risk Analysis and Robustness of Four Shrinkage Estimators' (with Chang, C. H.). *Calcutta Statistical Association Bulletin*, Vol. 46, No 181 & 182, 35 - 59.

32. (1996). `Estimation of a Common Mean of Several Normal Populations: A Review' (with Sinha, B. K.). *Far Eastern Journal of Mathematical Sciences*, Special Volume, Part I, 97 - 110.

33. (1997). `Applications of Improved variance Estimation in a Multivariate Normal Mean Vector Estimation' (with Lin, J. J. and Chang, C. H.). *Statistics*, 30, 99 - 125.

34. (1997). `A Note on Second Order Admissibility of the Graybill-Deal Estimator of a

Common Mean of Several Normal Populations' (with Lim, W. K.).
Journal of Statistical Planning and Inference, 63, 71 - 78.

35. (1997). `An Improved Method of Predicting the Future: A Result on Improving the Stein-Rule Shrinkage Estimators of Regression Coefficients' (with Chang, C. H. and Lin, J. J.). *Journal of Futures Studies*, Vol. 1, No.2, 51 - 62.

36. (1998). `Estimators which are Uniformly better than the James-Stein Estimator for Completely Unknown Dispersion Matrix' (with Lin, J. J.). *Calcutta Statistical Association Bulletin*, Vol. 47, Nos. 187 - 188, 167 - 180.

37. (1998). `Sequential Estimation of the Guarantee times for Systems of Several Exponential Components' (with Carpenter, D. M.). *American Journal of Mathematical and Management Sciences*, Vol. 18, No. 3-4, 327 - 341.

38. (1998). `Estimation of a Normal Variance: A Critical Review' (with Lin, J. J. and Ling, C. H.). *Statistical Papers*, Vol. 39, 389 - 404.

39. (1998). `Estimation of the Coefficient of Multiple Determination' (with Lim, W. K.). *The Annals of the Institute of Statistical Mathematics*, Vol. 50, No. 4, 773 - 788.

40. (1998). `Estimation of the Reliability Function of a Series System: Some Decision Theoretic Results' (with Sarkar, J. and Chaudhuri, G.). *Statistics*, Vol. 32, 59 - 74.

41. (1998). `On the Coefficient of Multiple Determination in a Linear Regression Model' (with Lim, W. K.). *Journal of the Italian Statistical Society*, Vol. 7, No. 2, 129 - 157.

42. (1999). `Shrinkage Estimation of A Correlation Coefficient and Two Examples with Real Life Data sets' (with Lim, W. K.), *Journal of Statistical Computation and Simulation*, Vol. 62, 357 - 373.

43. (1999). `Second Order Admissibility of the Sample Intraclass Correlation Coefficient in a Symmetric Normal Distribution' (with Lim, W. K.). *The Canadian Journal of Statistics*, Vol. 27, No 1, 163 - 172.

44. (1999). `Complexity Studies of a Temporal Constraint Propagation Algorithm: A Statistical Analysis' (with Mitra, D.). *Journal of Experimental and Theoretical Artificial Intelligence*, Vol. 11, 155 - 183.

45. (2000). `Estimation of a Correlation Coefficient: Some Second Order Results' (with Lim, W. K.). *Statistics and Decisions*, Vol. 18, 185 - 203.

46. (2000). `Estimation of the support of a discrete distribution' (with Shen, W. H. and Sinha, B. K.). *Statistics & Probability Letters*, Vol. 48, 287 - 292.

47. (2001). `A Note on Admissibility for a Multivariate Normal Mean Estimation'(with Lin, J. J.). *Tamsui Oxford Journal of Mathematics*, Vol. 17, No. 1, 23 - 33.

48. (2002). `Estimation of the Smaller and Larger of Two Exponential Scale Parameters'

(with Arazyan, A. Y. and Shen, W-H). *Journal of Applied Statistical Sciences*, Vol. 11, No. 2, 157 - 172.

49. (2003). `Estimation of a Normal Mean with Known Coefficient of Variation (with Guo, H.). *Calcutta Statistical Association Bulletin*, Vol. 54, No. 213-214, 17 - 30.

50. (2003). `On the Reliability of a Two Component Series System' (with Arazyan, A. Y.). *Journal of the Indian Statistical Association*, Vol. 41, 47-71.

51. (2003). `Estimation of Circular Probable Error and Measuring the Accuracy of a Missile System' (with Lim, W. K.). *Statistical Methods*, Vol. 5, No. 2, 97 – 120.

52. (2004). `On Intraclass Correlation Coefficient Estimation' (with Lim, W. K.). *Statistical Papers*, Vol. 45, No. 3, 369 – 392.

53. (2005). `Comparison of Normal Variance Estimators Under Multiple Criteria and Towards a Compromise Estimator' (with Lin, J. J.) *Journal of Statistical Computation and Simulation*, Vol. 75, No. 8, 645 - 666.

54. (2005). `A Note on Robustness of Normal Variance Estimators Under t-distributions' (with Lin, J. J.). *Communications in Statistics, Theory & Methods*, Vol. 34, No. 7, 1117 – 1126.

55. (2005). 'A Brief Review of Shrinkage Estimation of a Multivariate Normal Mean with Extension to Multiple Linear Regression' (with Lin, J. J. and Chang, C. H.) *Advances and Applications in Statistics*, Vol. 5, No. 3, 371 – 399.

56. (2006). `On the Reliability of a Multi-Component Series System' (with Arazyan, A. Y.) *Journal of Statistical Computation and Simulation*, Vol. 76, No. 1, 1 – 20.

57. (2007). `Population Estimates of Hyla Cinerea via VIE Tagging and Mark-Recapture Analysis ' (with Pham, L., Boudreaux, S., Karhbet, S., Price, B., Ackleh, A. S. and Carter, J.). *Southeastern Naturalist*, Vol. 6, No. 2, 203 – 216.

58. (2007). 'A Computational Approach to Statistical Inferences' (with Lim, W. K. and Ling, C. H.). *Journal of Applied Probability & Statistics*, Vol.1, No.2, 13 – 35.

59. (2007). 'A Revisit to the Common Mean Problem: Comparing the Maximum Likelihood Estimator with the Graybill-Deal Estimator' (with Lin, J. J., Chang, C.H. and Kumar, S.). *Computational Statistics & Data Analysis*, Vol. 51, 5673 – 5681.

60. (2007). 'Correlation Coefficient: Tables for Exact Test and Other Related Considerations' (with Lin, J. J. and Chang, C. H.). *InterStat*, Sept. 2007 (online journal: *http://interstat.statjournals.net/YEAR/2007/abstracts/0709002.php*).

61. (2008). 'Estimation of a Normal Dispersion Matrix Using Shrinkage Correlation

Estimators' (with Lim, W. K.). *Journal of the Indian Statistical Association*, Vol. 45, No.2, 181 - 203

62. (2008) 'A Revisit to the Behrens-Fisher Problem: Comparison of Five Test Methods' (with Chang, C. H.). *Communications in Statistics, Simulation & Computation*, Vol. 37, 1064 – 1085.

63. (2008). 'A Computational Approach to One-way ANOVA and its Model Robustness' (with Chang, C. H.). *Far Eastern Journal of Theoretical Statistics*, Vol. 25, No. 1, 111 – 134.

64. (2008). 'A Note on Improved Approximation of the Binomial Distribution by the Skew-Normal Distribution' (with Chang, C. H., Lin, J. J. and Miao, C. C.). *The American Statistician*, Vol. 62, No. 2, 167 – 170.

65. (2008). 'Testing the Common mean of Several Normal Distributions' (with Chang, C. H.). *Computational Statistics & Data Analysis*, Vol. 53, 321 – 333.

66. (2008). 'An Identity for Skew-Normal Distribution' (with Chang, C. H. and Lin, J. J.). *Journal of Applied Probability & Statistics*, Vol. 3, No. 2, 305 - 309.

67. (2008). 'Exact Test Critical Values for Correlation Testing with Applications' (with Chang, C. H. and Lin, J. J.). *WSEAS Transaction on Mathematics*, Vol. 7, No. 6, 363 – 381.

68. (2008). 'Discussion on Skew-Normal Approximation of a Binomial Distribution' (with Chang, C. H., Lin, J. J. and Chiang, M. C.), *InterStat* Oct. 2008 (online journal *http://interstat.statjournals.net/INDEX/Oct08.html*).

69. (2009). Letter to the Editor (in response to the letter by Miguel A. Garcia-Perez, The American Statistician, 62, 167 - 170). *The American Statistician*, Vol. 63, No. 1, 102.

70. (2010). 'Estimation of a Population Size Through Capture-Mark-Recapture Method: A Comparison of Various Point and Interval Estimators' (with Yang, X.). *Journal of Statistical Computation & Simulation*, Vol. 80, No. 3, 335 – 354.

71. (2010). 'Comparing Several Population Means: A Computational Approach Test, and Its Comparison with One Way ANOVA *F*-Test As Well As ANOM'(with Chang, C. H., Lim, W. K. and Lin, J. J.). *Computational Statistics*, Vol. 25, 71 – 95.

72. (2010). 'On Comparing Several Poisson Means' (with Chang, C. H. and Lin, J. J.). *Communications in Statistics, Simulation & Computation*, Vol. 39, 1605 – 1627.

73. (2011). 'Testing the Equality of Several Gamma Means: A Parametric Bootstrap Method Applications' (with Chang, C. H. and Lin, J. J.). *Computational Statistics*, Vol. 26, No. 1, 55 - 76.

74. (2011). 'A Case Study of Green Tree Frog Population Size Estimation by Repeated Capture-Mark-Recapture Method with Individual Tagging: A Parametric Bootstrap Method vs. Jolly-Seber Method' (with Yang, X., Ackleh, A. and Carter, J.). *Journal of Statistical Computation & Simulation*, Vol. 81, No. 12, 1879 – 1895.

75. (2011). 'Inferences on Parameters of a Generalized Exponential Distribution' (with Healy, M., Zhang, H. and Lio, Y. L.). *Journal of the Indian Statistical Association,* Vol. 49, No. 2, 177 – 198.

76. (2012). 'Assessing the Deepwater Horizon oil spill impact on marine mammal population through acoustics: endangered sperm whales' (with Ackleh, A., Ioup, G., Ioup, J., Ma, B., Newcomb, J., Sidorovskaia, N., and Tiemann, C.). *Journal of the Acoustical Society of America*, Vol. 131, No. 3, 2306 – 2314.

77. (2012). 'Fitting a Structured Juvenile-Adult Model for Green Tree Frogs to Population Estimates from Capture-Mark-Recapture Field Data' (with Ackleh, A., Carter, J., Deng, K., Yang, X., Huang, Q.). *Bulletin of Mathematical Biology*, Vol. 74, No. 3, 641 – 665.

78. (2012). 'Inferences on the Standard Skew-Normal Distribution' (with Thongteeraparp, A. and Lim, W. K.). *Thailand Statistician (Journal of the Thai Statistical Association).* Vol. 10, No. 2, 225 – 246.

79. (2013). 'Demographic Analysis of Sperm Whales Using Matrix Population Models' (with Ackleh, A., Chiquet, R. and Ma, B.) *Ecological Modelling*, 248, 71 – 79.

80. (2013). 'Hypothesis Testing on the Common Location Parameter of Several Shifted Exponential Distributions: A Note' (with Chang, C. H. and Lin, J. J.). *Journal of the Korean Statistical Society*, Vol. 42, No. 1, 51 – 59.

81. (2013). 'A Note on Interval Estimation of the Standard Deviation of a Gamma Population with Applications to Statistical Quality Control' (with Frost, J., Keller, K., Lowe, J., Skeete, T., Walton, S. and Castille, J.). *Applied Mathematical Modelling*, 37, 2580 - 2587.

82. (2013). 'Estimating Common Standard Deviation of Two Normal Populations with Ordered Means' (with Tripathy, M. R. and Kumar, S.). *Statistical Methods & Applications (Journal of the Italian Statistical Society)*, Vol. 22, No. 3, 305 – 318.

83. (2014). 'A Note on Parameter Estimation under a *t*-Model' (with Gonzalez-Arevalo, B.). *Sankhyā: The Indian Journal of Statistics*, Series B, Vol. 76, No. 1, 103-119. (https://www.jstor.org/stable/43694407?seq=1#metadata_info_tab_contents)

84. (2014). 'Zero-Inflated Poisson (ZIP) Distribution: Parameter Estimation and Applications to Model Data from Natural Calamities' (with Beckett, S., Jee, J., Ncube, T., Pompilus, S., Washington, Q., Singh, A.). *Involve – A Journal of*

Mathematics, Vol. 7, No. 6, 751 – 767.
  (https://msp.org/involve/2014/7-6/p04.xhtml)

85. (2014). 'A Generalized Inflated Poisson Distribution with Application to Modeling
    Fertility Data' (with Begum, M. and Mallick, A.) *Thailand Statistician (Journal of
    the Thai Statistical Association)* Vol. 12, No. 2, 135 - 159.
(https://www.semanticscholar.org/paper/A-Generalized-Inflated-Poisson-Distribution-
with-to-Begum-Mallick/b8ed283efffe320b1ceb24aa6b005de67ba57a5a)

86. (2014). 'A Computational Study of Gamma Parameter Estimates' (with Alexander,
    R., Jones, D., Touch, B., Wallace, J., Wilson, T. and Tsai, G. H.) *Far-East Journal of
    Theoretical Statistics*, Vol. 49, No. 1, 1 – 17.
(https://www.researchgate.net/publication/280066723_A_COMPUTATIONAL_STUDY_
OF_GAMMA_PARAMETER_ESTIMATES)

87. (2015). 'On Improved Estimation of a Gamma Shape Parameter' (with Tanaka, H.
    and Lim, W. K.). *Statistics: A Journal of Theoretical and Applied Statistics*, Vol. 49,
    No. 1, 84 – 97.
     (https://www.tandfonline.com/doi/full/10.1080/02331888.2014.915842)

88. (2015). 'A Note on Estimation of a Distribution Function in a Nonparametric Set-up
    Using Stein's Shrinkage Estimation Technique' (with Tripathy, M. R.).
    Communications in Statistics – Simulation & Computation, Vol. 44, 2731 – 2741.
    (https://www.tandfonline.com/doi/full/10.1080/03610918.2013.854908)

89. (2015). 'A Revisit to Contingency Table and Tests of Independence: Bootstrap is
    Preferred to Chi-square Approximations as well as Fisher's Exact Test' (with Lin, J.
    J. and Chang, C. H.). *Journal of Biopharmaceutical Statistics*, Vol. 25, 438 – 458.
(https://www.tandfonline.com/doi/abs/10.1080/10543406.2014.920851?journalCode=lbp
s20)

90. (2015). 'Statistics for Applied Researchers: Bootstrap to the Rescue' (with
    Unhapipat, S.). *The Philippine Statistician*, Vol. 64, No. 1, 89 – 121.
    (http://www.psai.ph/tps_details.php?id=69)

91. (2016). 'Small Sample Inferences on Sharpe Ratio' (with Unhapipat, S. and Chen, J.
    Y). *American Journal of Mathematical & Management Sciences*, Vol. 35, No. 2,
    105 - 123.
(https://www.tandfonline.com/doi/abs/10.1080/01966324.2015.1121847?journalCode=u
mms20)

92. (2016). 'A revisit to testing the equality of several Poisson parameters' (with
    Unhapipat, S. and Tiensuwan, M.) *Model Assisted Statistics & Applications*, Vol.
    11, 27 – 38.
(https://content.iospress.com/articles/model-assisted-statistics-and-applications/mas351)

93. (2016). 'Hypothesis Testing for a Zero-Inflated Poisson Distribution' (with Unhapipat, S. and Tiensuwan, M.), *Journal of the Indian Statistical Association*, Vol. 54, No. 1 & 2, 167 – 191.
(https://drive.google.com/file/d/1-ZipnbLi76OtHan8mwoZvCO1RxwjWs5Z/view)

94. (2017). 'A Revisit to Test the Equality of Variances of Several Populations' (with Chang, C. H. and Lin, J. J.), *Communications in Statistics – Simulation & Computation*, Vol. 46, No. 8, 6360 – 6384.
(http://www.tandfonline.com/doi/full/10.1080/03610918.2016.1202277).

95. (2017). 'Modeling Rare Events using a Zero-Inflated Poisson (ZIP) Distribution: Some New Results on Point Estimation' (with Unhapipat, S. and Tiensuwan, M.), *The Philippine Statistician*, Vol. 66, No. 2, 47 – 69.
(https://www.researchgate.net/publication/329760574_Modeling_rare_events_using_a_zero-inflated_poisson_Zip_distribution_Some_new_results_on_point_estimation)

96. (2018). 'On Improved Estimation under Weibull Model' (with Tanaka, H. and Lim, W. K.), *Journal of Statistical Theory and Practice*, Vol. 12, No. 1, 48 – 65.
(https://www.tandfonline.com/doi/abs/10.1080/15598608.2017.1305921?journalCode=ujsp20)

97. (2018). 'Smooth Transition for Advancement to Graduate Education (STAGE) for Underrepresented Groups in the Mathematical Sciences Pilot Project: Broadening Participation through Mentoring' (with Eubanks-Turner, C. and Beaulieu, P.) *Problems, Resources, and Issues in Mathematics Undergraduate Studies (PRIMUS)*, Vol. 28, No. 2, 97 – 117.
(http://www.tandfonline.com/doi/full/10.1080/10511970.2017.1295409).

98. (2018). 'Bayesian predictive inference for Zero-Inflated Poisson (ZIP) distribution with applications' (with Unhapipat, S. and Tiensuwan, M.), *American Journal of Mathematical and Management Sciences,* Vol. 37, No. 1, 66 – 79.
(http://www.tandfonline.com/doi/full/10.1080/01966324.2017.1380545)

99. (2018). 'Hypothesis Testing on the Location Parameter of a Skew-Normal Distribution (SND) with Application' (with Thiuthad, P.), *Recent Advances in Algebra, Numerical Analysis, Applied Analysis and Statistics (Editors: R. Bris, G. W. Chang, C. D. Khanh, M. Razzaghi, K. Stempak and P. T. Toan)*, ITM Web of Conferences Proceedings, International Conference on Mathematics (ICM 2018).
(www.itm-conferences.org)

100. (2019). 'Testing First Order Auto-Correlation: A Simple Parametric Bootstrap Approach to Improve over the Standard Tests' (with Chang, C. H.), *American Journal of Mathematical and Management Sciences,* Vol. 38, No. 3, 261 – 276.
(https://doi.org/10.1080/01966324.2018.1519475)

101. (2019). 'Point Estimation of the Location Parameter of a Skew-Normal Distribution: Some Fixed Sample and Asymptotic Results' (with Thiuthad, P.), *Journal of Statistical Theory and Practice*, Vol.13, No. 2, 1 – 27. (https://link.springer.com/article/10.1007/s42519-018-0033-4)

102. (2019). 'On Second-order Improved Estimation of a Gamma Scale Parameter' (with Tanaka, H. and Lim, W. K.), *Statistics: A Journal of Theoretical and Applied Statistics*, Vol. 53, No. 5, 968 – 989. (https://www.tandfonline.com/doi/full/10.1080/02331888.2019.1624756)

103. (2020). 'Hypothesis Testing and Interval Estimation for Quantiles of Two Normal Populations with a Common Mean' (with Khatun, H. and Tripathy, M. R.), (Online Version, November 2020) *Communications in Statistics - Theory and Methods*, (https://doi.org/10.1080/03610926.2020.1845735)

104. (2021). 'A Comprehensive Simulation Study to Compare Various Estimators of the Model Parameters as well as Percentiles of a Two-Parameter Generalized Half-Normal Distributions (2P-GHND) with Applications' (with Sudsawat, M. and Unhapipat, S.), *Thailand Statistician*, Vol. 19, Number 1, 14 – 41. (https://ph02.tci-thaijo.org/index.php/thaistat/article/view/242809)

105. (2021). 'A Statistical Profile of Arsenic Prevalence in the Mekong Delta Region' (with Huynh, U. T., Truong, B. C. and Nguyen, M. V.). *Thailand Statistician*, Vol. 19, Number 2, 339 – 360. (https://ph02.tci-thaijo.org/index.php/thaistat/article/view/243856)

106. (2021). 'Regression Model under Skew-Normal Errors with Applications in Predicting Groundwater Arsenic Level in the Mekong Delta Region' (with Huynh, U. T. and Nguyen, M. V.). *Environmental and Ecological Statistics*, Vol. 28, 323–353. (https://link.springer.com/article/10.1007/s10651-021-00488-2)

107. (2021). 'Some Inferential Results on a Two Parameter Generalized Half Normal Distribution (2P-GHND)' (with Sudsawat, M.). *American Journal of Mathematical and Management Sciences* (https://doi.org/10.1080/01966324.2021.1959469)

108. (2021). 'Authors' Rejoinder (in response to the Letter to the Editor by Papadopoulos A and Parmeter CF) (with Huynh, U. T. and Nguyen, M. V.), *Environmental and Ecological Statistics* (to appear).

PAPERS UNDER PREPARATION / SUBMITTED

109. (2021). 'Inferences on the Association Parameter in Farlie-Gumbel-Morgenstern Copula Based Bivariate Distribution: Part - I: Known Marginals' (with Chatterjee, R.)

110. (2021) 'A Statistical Analysis of the High School Students' National English Test Score Data in Vietnam' (with Huynh, U. T.)

- **BOOKS**

1. '*Statistics: Concepts & Applications*' (with S. Sarkar), *Prentice-Hall of India*, New Delhi, India.
   (a) First edition, first print (404 pages): January 2005
   (b) First edition, second print (404 pages): January 2007
   (c) Second edition (472 pages): January 2008

2. *'Handbook of Exponential and Related Distributions for Engineers and Scientists'* (with Jin, C. and Lim, W. K.), *Chapman & Hall / CRC Press* (Taylor & Francis Group) (2005), Boca Raton, Florida, 376 pages.