# Curriculum Vitae

**DR. DEBASISH DAS**
**Asst. Professor in Mathematics**
**Bhadrak (Auto.) College, Bhadrak, Odisha.**
**E Mail:** debasisdas100@gmail.com
**Mob No.:** 9861986791

## PERSONAL DETAILS:

**Father:** Dr. Mochiram Das
(Ex. Reader in Physics)
**Mother:** Mrs. Sparsamani Das
(House Wife)
DOB: 16.07.1984 (Cuttack) SEX: Male
Religion: Hindu
Nationality: Indian
Marital Status: Married
Languages: 1. Odia 2. Hindi 3. English

**Present Address:**
S/O: Dr. Mochiram Das.
At: Biraja Ray Colony,
Majhi Sahi, Jobra.
Po: College Square,
Dist: Cuttack-753003
State: Odisha

**Permanent Address:**
S/O: Dr. Mochiram Das
At: Chandraput
Po: Barkul
P.S:Balugaon
Dist: Khurdha-752030
State: Odisha

## DESIGNATION:

I have been working as a Asst. Professor in Mathematics at Bhadrak (Auto.) College, Bhadrak, Odisha since 23rd September 2023.

## QUALIFICATION:

| Examination Passed | School/College/ University | % of Marks | Year |
|---|---|---|---|
| **Ph.D.(Math)** | Ravenshaw University, Cuttack, Odisha | Awarded | 2015 |
| **M Phil (Math)** | Ravenshaw University, Cuttack, Odisha | 67.0 | 2009 |
| **M.Sc. (Math)** | Ravenshaw (Auto) College, Cuttack | 72.3 | 2006 |
| **B.Sc. (Math Hon's)** | Ravenshaw (Auto) College, Cuttack | 70.87 | 2004 |

**AREA OF RESEARCH:**
Numerical analysis

**AWARD OF FELLOWSHIP:**

Rajiv Gandhi National Fellowship (SRF & JRF, 2008-2013)

**PUBLICATIONS:**

1. R.B. Dash and D. Das (March 2011) "A mixed quadrature rule by blending Clenshaw-Curtis and Gauss-Legendre quadrature rules for approximation of real definite integrals in adaptive environment", *Proceedings of the International Multi-Conference of Engineers and Computer Scientists*, Hong-Kong, **ISSN:2078-0966**, I,202-205.

2. R.B. Dash and D. Das (Sept. 2011) "Identification of some Clenshaw-Curtis quadrature rules as mixed quadrature of Fejer and Newton-Cotes type of rules"*, Int. J. of Mathematical Sciences and Applications, Mind Reader Publications,* **ISSN:2230-9888,**1(3), 1493-1496.

3. R.B. Dash and D. Das (2012) "A mixed quadrature rule by blending Clenshaw-Curtis and Lobatto quadrature rules for approximation of real definite integrals in adaptive environment", *J. Comp.& Math. Sci.*, **ISSN:0976-5727,** 3(2), 207-215.

4. R.B. Dash and D. Das (2012) "On the use of mixed quadrature in adaptive quadrature routine", *G.J.M.M.S., Research India Publication, New Delhi,* **ISSN:0972-9836**,2(1), 45-56.

5. D. Das and R.B. Dash (2013) "Numerical computation of integrals with singularity in the adaptive integration scheme involving a mixed quadrature rule", *Bulletin of Pure and Applied Sciences (Math & Stat), New Delhi,* **ISSN:0970-6577,** vol-32(E), issue-1,29-38.

6. D. Das and R.B. Dash (July 2013) "Evaluation of improper integrals in the adaptive integration scheme based on open type mixed rules", *I.J.E.S.I.T.*, **ISSN:2319-5967**,2(4),579-589.

7. D. Das and R.B. Dash (Sept. 2013) "Application of mixed quadrature rules in the adaptive quadrature routine", *General Mathematics Notes (G.M.N)*, **ISSN:2219-7184**,18(1),46-63.

8. D. Das, R. B. Dash and J. K. Chand (July-2014) "Numerical integration of analytic functions of complex variables using mixed quadrature rules", *International J. of Math. Sci. & Engg. Appls. (IJMSEA),* **ISSN:0973-9424**,8(IV),1-6.

9. D. Das, R B Dash and P Das (2014) "Construction of a Mixed Quadrature Rule using Three Different Well-Known Quadrature Rules" *Global Journal of Science Frontier Research. F Mathematics and Decision Sciences*, **ISSN: 2249-4626**, 14(1), 97-103**.**

10. D. Das, P Patra, and R B Dash (2015) "An adaptive integration scheme using a mixed quadrature of three different quadrature rules", *Malaya J. Mat.*, **ISSN:2319-3786**, 3(3), 224–232.

11. P. Patra, D. Das and R B Dash (2016) "Approximation of Singular Integrals by a Mixed Quadrature of Anti-Gauss and Steffensen's Quadrature Rules in the Adaptive Environment", *Advances in Theoretical and Applied Mathematics, Research India Publications*, **ISSN 0973-4554**, 11(1), 79-92.

12. D. K. Behera, D. Das and R. B. Dash (2017) "On the evaluation of integrals of analytic functions in adaptive integration scheme", *Bull. Cal. Math. Soc.*, **ISSN:0008-0659**, 109(3),217–228.

13. P. Patra, D. Das, R B Dash and S Ghosh (2017) "A two-dimensional Open Type Mixed Cubature Based on Anti-Gauss Cubature in Adaptive Environment" *International J. of Math. Sci. & Engg. Appls. (IJMSEA)*, **ISSN 0973-9424,** 11(II), 111-122.

14. P. Patra, D. Das and R B Dash (Jan-2018) "A comparative study of Gauss–Laguerre quadrature and an open type mixed quadrature by evaluating some improper integrals" *Turkish Journal of Mathematics,* **ISSN:1300-0098**,42,293-306.

15. P. Patra, D. Das and R B Dash (2018) "Use of Mixed Cubature Rule for Evaluation of Integrals Over Triangular Region in Adaptive Environment", *Bulletin of Pure and Applied Sciences. (Math & Stat.),* **ISSN 2320 3226**, 37E(2), 425-433.

16. P. Patra, D. Das and R B Dash (2020) "Numerical Approximation of Surface integrals using Mixed cubature Adaptive scheme " *Annals of Pure and Applied Mathematics (APAM)*, **ISSN 2279-087X(P), 2279-0888(online),** 22(1), 29-39.

17. D. Das, P. J. Mishra and R. B, Dash (2020) "Numerical integration of Analytic functions using Hybrid Clenshaw-Curtis Adaptive quadrature routine" *Far East Journal of Mathematical Sciences (FJMS)*, **ISSN 0972-0871,** 126(II), 153-168.

18. P. Patra, D. Das and R B Dash (2020) "A Hybrid cubature based adaptive scheme for evaluation of Double integrals" *Far East Journal of Applied Mathematics (FJAM)*, **ISSN 0972-0960,** 107(II), 93-106.

19. S.K. Mohanty, D. Das and R B Dash (2022) "On a new mixed quadrature based adaptive integration scheme for analytic functions" *Journal of the Orissa Mathematical Society (OMS)*, **ISSN 0975-2323,** 41(01-02), 55-74.

20. D. Das, S. K. Mohanty, L K Barikee and R B Dash (2024) "Anti-Simpson's quadrature formula and its extension for elliptic and other integrals in adaptive environment" accepted for publication in the journal *South East Asian Journal of Mathematics and Mathematical Sciences (SEAJMMS)*.

## Books Published:

**Uchha Madhyamika Ganita (Vol-1&2)** (for Intermediate classes) (2024), N Senapati, R.B. Dash, S K Mohanty, D. Das and P K Satpathy, *Published by Institute of Odia Studies and Research,3R9, BJB Nagar, Bhubaneswar.*

## Presentations in CONFERENCE/ SYMPOSIUM/COLLOQUIUM:

1. P. Patra, D. Das and R B Dash, "On a mixed cuabature adaptive scheme" *International Conference on Advances in Mathematics and Computing (ICAMC)*, 07th -08th **Feb. 2020**, Department of Mathematics, VSSUT, Burla, Odisha.

2. P. Patra, D. Das and R B Dash "On the approximate evaluation of improper integrals: An adaptive quadrature scheme based on open type mixed rules", *47th Annual Conference of Odisha Mathematical Society (ACOMS- 2020)*, 15th -16th **Feb. 2020**, NIST University, Berhampur, Odisha.

## Membership:

1. Life Member (LM-OMS-821/2020) - Odisha Mathematical Society (OMS)

(All the information is true to the best of my knowledge and belief)

Debasish Das

(Dr. Debasish Das)