C. V. of DR. MD. SHAFIQUL ISLAM

1. Name: **Dr. Md. Shafiqul Islam** (ড. মোঃ শফিকুল ইসলাম)

2. **Current Position and Address:**

Professor, Department of Applied Mathematics,
University of Dhaka, Dhaka – 1000, Bangladesh.
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Phone: +88 017 11 86 47 25

3. **Educational Qualifications:**
   - Ph.D. in Mathematics (2002), Department of Mathematics, Bangalore University, India.
   - M. Sc. in Mathematics (1989/1993), University of Dhaka
   - B. Sc. Honors in Mathematics (1988/1991), University of Dhaka
   - HSC (1985), SSC (1983).

4. **Teaching and Research Experiences:** (Since 19 March 1994, 32+ years)
   - **Professor,** Department of Applied Mathematics and Department of Mathematics, University of Dhaka, Bangladesh, **18-02-2010 onwards**
   - Associate Professor, Department of Mathematics, University of Dhaka, 18 –06–2005 to 17-02-2010
   - Assistant Professor, Department of Mathematics, University of Dhaka, 08 –10–2002 to 17–06–2005
   - Assistant Professor & Lecturer, Department of Mathematics, Shahjalal University of Science and Technology (SUST), Sylhet, 19–03–1994 to 07–10–2002
   - **Visiting Staff Fellow:** Department of Mathematics, **University Nice Sophia-Antipolis, Nice, France**
     01-09-2009 to 30-09-2009 and 21-01-2010 to 17- 02-2010

     Department of Mathematics, **Middle East Technical University, Ankara**, **Turkey**
     28-05-2017 to 04-06-2017
   - **Adjunct Faculty** for teaching courses on Mathematics under Engineering and Business Faculties (including MBA): East-West University, Independent University Bangladesh (IUB), Ahsanullah University of Science and Technology, National University.

5. **Teaching Area:**
   Science & Engineering: Calculus, Discrete Mathematics, Linear Algebra, Ordinary and Partial Differential Equations, Real Analysis, Mathematical Methods, Complex Variables, Laplace Transform, Numerical Methods, Topology and Functional Analysis, Optimization Technique, Operations Research, etc.
   Business and Social Science: Business Mathematics, Linear Programming, Operations Research, Quantitative Business Analysis, Mathematics for Decision Making, etc.

6. **Research Interests:** Finite Element Method, Numerical Integration, Numerical Solutions of Boundary Value Problems, Eigenvalue Problems and Integral Equations.

7. Ph.D. Supervision**: Degree Awarded** 03; M.S. Thesis Supervision: Completed 27

8. Administrative and International Collaborative Experiences:

(a) Chairman, Department of Applied Mathematics, Dhaka University, 02-07 -2017 to 01-07-2020. During this period the **remarkable achievements** are:

- **Member of the HEQEP** project for Applied Mathematics – **Fund Tk. 1.70 Crore:** Has been utilized during the projected time for the establishment Modern Class Rooms, Advanced Computer Labs, and departmental Seminar/Library, all equipped with AC, CCTV, WiFi, etc. including departmental website.
- **Organizing Secretary: 21st BMS International Mathematics Conference**, held 06 – 08 December 2019. Over 300 Mathematicians participated including 25 Foreign Professionals from 13 countries.

(b) European Commission Project – Fund 18.00 Million Euros: Acted as **Local Coordinator** and Contact Person, member of the **Board of Directors**; 2009 – 2016. Erasmus Mundus Mobility with Asia (**EMMA**), Mobility from Asian Universities to European Universities**.** 24 Partner Universities and 12 associate partner Institutes from Asia and Europe. **Web**: https://math.unice.fr/EMMA/, http://emmasia.uevora.pt/emmasia

Achievements: Over 200 scholars (Teachers and Students) from Bangladesh, especially Dhaka University, BRACU and AUST have obtained their Graduate, Post Graduate, Ph. D. degrees; did Post-Doc from European Universities and some Professors Visited as Staff Fellow for1-2 months.

Under this Project University/ Country Visited: University Nice-Sophia Antipolis (**France**), University of Heidelberg (**Germany**), University of Genova (**Italy**), University of Warsaw (**Poland**), Prague (**Czech Republic**), University of Evora (**Portugal**), Lucian Blaga University of Sibiu (**Romania**), EU Commission (**Belgium**), Ateneo de Manila University (ADMU) and University of the Philippines-Diliman (**Philippines**); Kathmandu University (**Nepal**), AIT Bangkok (**Thailand**).

(c) Senate Member, Dhaka University, Teachers' Representative Category, 24-05-2022 to 23-05-2025.

(d) Member of the **Finance Committee,** Dhaka University, Teachers' Representative Category, 13-09-2022 to 12-09-2024

(e) Chairman of the **Governing Body**: Mirza Abbas Mohila College, Dhaka (Oct 2020 – Aug 2024); Board of Governors **(BG)** of some Medical and Nursing Colleges, and Institutes under Dhaka University and National University (MPO).

(f) Course Advisor of Mathematics, College Education Development Project (CEDP) **Teachers' Training Program** (2018, 2019, 2022, 2023), **National University** & Ministry of Education, Government of Bangladesh.

9. Country/ University Visited for Conferences/ Workshops (2 weeks): American Mathematical Society, San Francisco, California, **USA**; Martin Luther University (**Germany**); Institute of Mathematics, Hanoi (**Vietnam**); ADMU (**Philippines**), Vali-e-Asr University of Rafsanjan (**Iran**); Universiti Kebangsaan Malaysia and Open University Malaysia, Kuala Lumpur (**Malaysia**), National University of Singapore (**Singapore**); Middle East Technical University (**Turkey**)**.**

10. Professional & Voluntary Affiliations

(a) Member of the **American Mathematical Society** (**USA**), since 2009.

(b) Member of the Society for Industrial and Applied Mathematics (**USA**), since 2009.

(c) Former **Secretary**, Bangladesh Mathematical Society (BMS), Jan 2010 – Dec 2011

(d) Member of **Editorial Board**, Dhaka University Science Journal, July 2017 – June 2019

(e) Associate Editor, GANIT, Journal of Bangladesh Mathematical Society, Jan 2014 – Dec 2017

(f) General Secretary, Dhaka University Mathematics Alumni Association, Jan 2019 to Dec 2020

(g) Member, Dhaka University Alumni Association.

11. Conferences/ Workshops/ Olympiad Organized and Attended in Home and Abroad:

(1). Organizing Secretary: 21st BMS International Mathematics Conference 2019, to be held 06 – 08 December 2019, **Achievement:** Over 300 Mathematicians participated including 25 Foreign professionals from 13 countries. http://www.bdmathsociety.org/?q=node/103

(2). Secretary, 9th National Undergraduate Mathematics Olympiad 2017, Final Round, Dhaka University

(3). Joint Mathematics Meetings (JMM), Annual Conference, American Mathematical Society, San Francisco, CA, January 13-16**, 2010, USA** (Paper Presentation)

(4). Recent Advancements in the Theory and Practice of Credit Derivatives, 28 – 30 September **2009**, Université de Nice Sophia Antipolis (UNS), **France**

(5). NUMDIFF-12, Conference on Numerical Methods for Differential Equations, 14 – 18 September **2009**, Martin Luther University, Halle-Wittenberg, **Germany** (Paper Presentation).

(6). CIMPA-IMAMIS-PHILIPPINES School on Numerical Methods for Partial Differential Equations, 27 August – 10 September **2007**, Ateneo de Manila University, **Philippines.**

(7). CIMPA-IMAMIS-VIETNAM School on Mathematical Finance, 23 April – 4 May **2007**, Institute of Mathematics, Hanoi, **Vietnam.**

(8). Fourth Seminar in Linear Algebra and its Applications & Wavelets Workshop, 07 – 09 March 2007, Vali-e-Asr University of Rafsanjan, **Iran** (Paper Presentation).

(9). CIMPA-IMAMIS-MALAYSIA **School on Financial Information Systems**, 22 May – 02 June **2006**, Universiti Kebangsaan Malaysia (UKM) and Open University Malaysia (OUM), Kuala Lumpur, **Malaysia**.

(10). Fourth Asian Mathematical Conference, 21– 23 July **2005**, National University of Singapore, **Singapore** (Paper Presentation)

(11). Workshop on Numerical Methods in Finance, and Wavelets & Applications, 18– 20 July **2005**, National University of Singapore, **Singapore**.

(12). Attended several national and international conferences held in Bangladesh**.**

12. Some research projects with small amounts of grants provided by Dhaka University (DU), and the University Grants Commission (UGC) of Bangladesh have been completed, and some are continuing under my supervision.

13. Publications: 60+ Articles Published in National and International Journals

Details are available in separate sheets, DU Website, Google Scholar, and ResearchGate, etc**.**

DU Website: https://du.ac.bd/faculty/faculty_details/APMAT/70

https://scholar.google.com/citations?hl=en&user=InaCYelAAAAJ&view_op=list_works&sortby=pubdate

https://www.researchgate.net/profile/Md-Islam-723/research

List of Publications

1. **Md. Shafiqul Islam**, Nafia Mollik and Md. Kamrujjaman (2025): Solutions of Nonlinear Parabolic PDEs: A Novel Technique Based on Galerkin-Finite Difference Residual Corrections, International Journal of Differential Equations, Wiley, Article ID 4761380, 15 pages.
2. **Md. Shafiqul Islam**, Mahmud Hasan and Md. Kamrujjaman (2025): Galerkin-compact finite difference residual corrections for nonlinear second order wave equations, Discover Applied Sciences, Springer Nature, Vol **7** (8), 1 – 22.

3. Md.Shorif Hossan, Trishna Datta and **Md. Shafiqul Islam** (2024): Galerkin-finite difference method for fractional parabolic partial differential equations, MethodsX, Vol 12, June 2024.

4. Snigdha Dhar and **Md. Shafiqul Islam** (2024): Galerkin-Bernstein Approximations for the System of Third-Order Nonlinear Boundary Value Problems, Journal of Applied Mathematics and Physics, **12** (6), 2083- 2101; arXiv preprint arXiv:2404.15090, 2024.

5. U Ruman and **Md. Shafiqul Islam** (2024)**:** Approximation of Some Nonlinear Fractional Order BVPs by Weighted Residual Methods, American Journal of Computational and Applied Mathematics, **14** (1), arXiv:2404.15090, 15 – 23.

6. H Ali, NG Trisha and **Md. Shafiqul Islam** (2023): Galerkin-Bernstein Approximations of the System of Time Dependent Nonlinear Parabolic PDEs, arXiv:2307.04581; General Letters in Mathematics, **13** (3), 88 – 101.

7. SSD Pranta and **Md. Shafiqul Islam** (2023): Numerical Approximations of a Class of Nonlinear Second-Order Boundary Value Problems using Galerkin-Compact Finite Difference Method, arXiv:2306.09978; EJ-MATH, European Journal of Mathematics and Statistics, **4** (4), 56 – 68.

8. NG Trisha and **Md. Shafiqul Islam** (2023): Approximations of Time-Dependent Nonlinear Partial Differential Equations using Galerkin Optimal Auxiliary Function Method, GANIT: Journal of Bangladesh Mathematical Society, **43** (1), 1-16.

9. SA Lima**, Md Shafiqul Islam**, H Ali and M Kamrujjaman (2023): Numerical method to solve generalized nonlinear system of second order boundary value problems: Galerkin approach, Advances in the Theory of Nonlinear Analysis and its Application, **7** (2), 280 – 291.

10. H Farzana, SK Bhowmik and **Md Shafiqul Islam** (2023): Orthonormal Bernstein Galerkin technique for computations of higher order eigenvalue problems**, MethodsX**, 102006, 2023.

11. SD Pranta, H Ali, **Md Shafiqul Islam** and MS Islam (2022): On the Numerical Treatment of 2D Nonlinear Parabolic PDEs by the Galerkin Method with Bivariate Bernstein Polynomial Bases, Journal of Applied Mathematics and Computation, **6** (4), 410-422.

12. MS Hossan, **Md. Shafiqul Islam** and Md. Kamrujjaman (2022): Efficient Numerical Schemes for Computations of European Options with Transaction Costs, European Journal of Mathematical Analysis, **2** (9), 2022.

13. U Ruman and **Md Shafiqul Islam** (2022): Galerkin Weighted Residual Method for Solving Fourth Order Fractional Differential and Integral Boundary Value Problems, Journal of Applied Mathematics and Computation, **6** (2), 246 – 255.

14. Md. Nurunnabi Sohel, MS Islam, and **Md. Shafiqul Islam**. (2022): Galerkin Residual Correction for Fourth Order BVP. *Journal of Applied Mathematics and Computation*, **6**(1), 127 – 138. DOI: 10.26855/jamc.2022.03.014

15. Md. Shorif Hossan , **Md. Shafiqul Islam** , Md. Kamrujjaman (2022) – Efficient Numerical Schemes for Computations of European Options with Transaction Costs, *Eur. J. Math. Anal.* **2** (9).

16. Hazrat Ali, Md. Kamrujjaman , **Md. Shafiqul Islam** (2021) – An Advanced Galerkin Approach to Solve the Nonlinear Reaction-Diffusion Equations with Different Boundary Conditions, *Journal of Mathematics Research*, **14**(1), 1 – 16.

17. M Tanzil Hasan, **Md. Shafiqul Islam**, Mir Shariful Islam (2020) – The Impulsive Motion of Flat Plate in Generalized Second Grade Fluid with Anomalous Diffusion, *American Journal of Applied Mathematics*, **8**(6), 327 – 333

18. Sadia Akter Lima, Md. Kamrujjaman, **Md. Shafiqul Islam** (2020) – Direct Approach to Compute a Class of Reaction-Diffusion Equation by a Finite Element Method. *Journal of Applied Mathematics and Computation*, **4**(2), 26-33

19. Umme Ruman and **Md. Shafiqul Islam** (2020) – Numerical Solutions of Linear Fractional Order BVP by Galerkin Residual Method with Differentiable Polynomials, *Applied and Computational Mathematics.* **9** (2), 20 – 25.

20. Hazrat Ali, Md. Kamrujjaman and **Md. Shafiqul Islam (2020)** – Numerical Computation of Fitzhugh-Nagumo Equation: A Novel Galerkin Finite Element Approach, *International Journal of Mathematical Research*, **9** (1), 20 – 27.

21. Md. Shorif Hossan, A B M Shahadat Hossain and **Md. Shafiqul Islam (2020**) – Numerical Solutions of Black-Scholes Model by Du Fort-Frankel FDM and Galerkin WRM, *International Journal of Mathematical Research*, **9** (1), 1 – 10.

22. M Alam and **Md. Shafiqul Islam** (**2019**) – Numerical Solutions of Time-Dependent Partial Differential Equations Using Weighted Residual Method with Piecewise Polynomials, The *Dhaka University Journal of Science,* **67** (1), 5– 12.

23. Nazrul Islam and **Md. Shafiqul Islam** (**2018**) – Bezier Polynomials with Application, *The Dhaka University Journal of Science,* **66** (2), 157– 162.

24. Mahua Jahan Rupa and **Md. Shafiqul Islam** (**2017**) – Numerical solutions of system of second order boundary value problems using Galerkin method, *GANIT* Jn. of Bangladesh Math. Society, **37**, 161 – 174.

25. Hazrat Ali and **Md Shafiqul Islam** (**2017**) – Generalized Galerkin Finite Element Formulation for the Numerical Solutions of Second Order Nonlinear Boundary Value Problems, *GANIT* Jn. of Bangladesh Math. Society, **37** (2017) 147-159.

26. H.T. Rathod, **Md.Shafiqul Islam**, H.Y. Shrivalli, Bharath Rathod, K. Sugantha Devi ***(2017)–*** Finite element solution of Poisson Equation over Polygonal Domains using a novel auto mesh generation technique and an explicit integration scheme for nine node linear convex quadrilateral of Lagrange family, *International Journal of Engineering and Computer Science (IJECS)*, **6** (11), 22869 – 23058.

27. **Md. Shafiqul Islam**, Humaira Farzana, Samir Kumar Bhowmik (**2017**) – Numerical solutions of sixth order eigenvalue problems using Galerkin weighted residual method, *Differential Equations and Dynamical Systems* (Springer) 25 (2) 187 - 205, (doi:10.1007/s12591-016-0323-9).

28. Humaira Farzana, **Md. Shafiqul Islam (2015)** – Computation of some second order Sturm-Liouville BVP using Chebyshev Legendre Collocation method, *GANIT Journal* of Bangladesh Mathematical Society, **35**, 97– 114.

29. Humaira Farzana, **Md. Shafiqul Islam**, Samir Kumar Bhowmik (**2015**) – Computation of Eigenvalues of the Fourth Order Sturm-Liouville BVP by Galerkin Weighted Residual Method, *British Journal of Mathematics and Computer Science*, **9** (1), 73 – 85.

30. Md. Shafiqul Islam and Md. Bellal Hossain (2015) – Numerical Solutions of Eighth Order BVP by the Galerkin Residual Technique with Bernstein and Legendre Polynomials, Applied Mathematics and Computation (Elsevier), **261**, 48 – 59.

31. Humaira Farzana and **Md Shafiqul Islam** (**2015**) – Application of Galerkin Weighted Residual Method to 2nd, 3rd and 4th order Sturm-Liouville Problems, *Mathematical Theory and Modeling*, **5** (2) 195 – 206.

32. **Md. Shafiqul Islam** and Md. Bellal Hossain (**2015**) – Numerical approaches for tenth and twelfth order linear and nonlinear differential equations, *British Journal of Mathematics and Computer Science*, **5** (5) 637 – 653.

33. Md. Bellal Hossain, **Md. Shafiqul Islam**, Md. Azizur Rahman (**2014**) – Numerical Solutions of Eleventh Order Boundary Value Problems Using Piecewise Polynomials, *IOSR Journal of Mathematics*, **10** (3), 58-68.

34. Md. Bellal Hossain and **Md. Shafiqul Islam** (**2014**) – A Novel Numerical Approach for Odd Higher Order Boundary Value Problems, *Mathematical Theory and Modeling*, **4** (5) 1 – 11.

35. Md. Bellal Hossain and **Md. Shafiqul Islam** (**2014**) – Numerical Solutions of General Fourth Order Two point Boundary Value Problems by Galerkin Method with Legendre Polynomials, *The Dhaka University Journal of Science*, **62** (2) 103 – 108.

36. Md. Bellal Hossain and **Md. Shafiqul Islam** (**2014**) – Numerical Solutions of Sixth Order Linear and Nonlinear Boundary Value Problems Polynomials, *Journal of Advances in* Mathematics, **7** (2) 1180 – 1190.

37. M. Alamgir Hossain and **Md. Shafiqul Islam** (**2014**) – Generalized Composite Numerical Integration Rule Over a Polygon Using Gaussian Quadrature, *The Dhaka University Journal of Science*, **62 (1)**, 25 – 29.

38. **Md. Shafiqul Islam** and Md. Bellal Hossain **(2013**) – On the Use of Piecewise Standard Polynomials in the Numerical Solutions of Fourth Order Boundary Value Problems, *GANIT* Jn. of Bangladesh Math. Society, **33**, 53 – 64.

39. **Md. Shafiqul Islam** and Md. Azizur Rahman (**2013**) – Solutions of Linear and Nonlinear Volterra Integral Equations Using Hermite and Chebyshev Polynomials, *International Journal of Computers & Technology*, **11** (8) 2910 – 2920.

40. Jishan Ahmed, Paulo Correia and **Md. Shafiqul Islam** (**2013**) – Numerical Solutions of Euler Equations by Runge-Kutta Discontinuous Galerkin Method, *Inter J Math Computer Appl Research,* **3** (1), 83 – 94.

41. M. A. Rahman and **Md. Shafiqul Islam** (**2012**) – Numerical Solutions of Volterra Integral Equations Using Legendre Polynomials, GANIT Jn. of Bangladesh Math. Society, **32**, 29 – 35.

42. M. A. Rahman and **Md. Shafiqul Islam** and M. M. Alam (**2012**) – Numerical Solutions of Volterra Integral Equations Using Laguerre Polynomials, *Journal of Scientific Research*, **4** (2), 357- 364.

43. **Md. Shafiqul Islam** and Afroza Shirin (**2011**) – Numerical solutions of a class of second order boundary value problems on using Bernoulli Polynomials, *Applied Mathematics*, **2** (9), 1059 – 1067.

44. **Md. Shafiqul Islam**, Goutam Saha and Nurunnahar Akter (**2011**) – Gauss-Legendre Numerical Integrations over a Quadrilateral Element in Closed Form, *Bangladesh Journal of Scientific and Industrial Research*, **46(3)**, 399-405.

45. **Md. Shafiqul Islam**, Mostak Ahmed and M. Alamgir Hossain (**2010**) – *Numerical Solutions of IVP Using Finite Element Method with Taylor Series* , GANIT Jn. of Bangladesh Math. Society, **30**, 51 – 58.

46. **Md. Shafiqul Islam** and M. Alamgir Hossain (**2010**) – Application of composite numerical integrations over a standard square finite element, *Jahangirnagar University Journal of Science*, **33** (1), 75 – 86.

47. **Md. Shafiqul Islam** and Afroza Shirin (**2010**) – Numerical solutions of Fredholm integral equations of second kind using piecewise Bernoulli polynomials**,** *The Dhaka University Journal of Science*, **58**(2), 264-272.

48. M. A. Hossain and **Md. Shafiqul Islam** (**2010**) – Applications of composite numerical integrations using Gauss-Radau and Gauss-Lobatto quadrature rules, *Journal of Scientific Research*,**2**(3), 465-477.

49. Afroza Shirin and **Md. Shafiqul Islam** (**2010**) – Numerical solutions of Fredholm integral equations using Bernstein polynomials, *Journal of Scientific Research*,**2** (2), 264-272

50. Thowhida Akther, **Md. Shafiqul Islam**, Sanwar Uddin Ahmad (**2010**) – Eigenvalue Analysis of 2D Helmholtz equation on Quadrilateral Elements, *The Dhaka University Journal of Science*, **58**(1), 141 – 142.

51. H.T. Rathod,R.D. Sathish, **Md. Shafiqul Islam**, Arun Kumar Gali (**2009**)– Application of MATLAB symbolic maths with variable precision arithmetic (vpa) to compute some high order Gauss Legendre Quadrature rules, *GANIT* (Jn. of Bangladesh Math. Society), **29**, 117 - 125.

52. **Md. Shafiqul Islam** and M. Alamgir Hossain (2009) – Numerical Integrations over an Arbitrary Quadrilateral Region, Applied Mathematics and Computation (Elsevier), **210** (2), 515 – 524.

53. **Md. Shafiqul Islam** and M. Alamgir Hossain (2008)– Numerical Integrations over an Arbitrary Triangular Region, International e-Journal of Numerical Analysis and Related Topics (IeJNART), Vol 2, 24 – 40.

54. **Md. Shafiqul Islam**, Nurunnahar Akter (**2008**) – Closed form numerical integration formulae for a four-node convex quadrilateral finite element, *The Dhaka University Journal of Science*, **56** (2) 165 - 169.

55. **Md. Shafiqul Islam**, Goutam Saha (**2008**)– Applications of Gauss-Radau and Gauss-Lobatto numerical integrations over a four node quadrilateral finite element, *Bangladesh Journal of Scientific and Industrial Research*, **43**(3), 377-386.

56. H. T. Rathod, B. Venkatesudu, K.V. Nagraja, **Md. Shafiqul Islam** (2007) – Gauss Legendre – Gauss Jacobi quadrature rules over a tetrahedral region, Applied Mathematics and Computation (Elsevier), 190 (1), 186 – 194.

57. **Md. Shafiqul Islam,** Goutam Shaha (**2007**) – Analytical stiffness Matrix in plane elasticity related to linear quadrilateral elements, GANIT (Jn. of Bangladesh Math. Society), **27**, 37 – 53**.**

58. **Md. Shafiqul Islam**, H. T. Rathod (**2006**) – Alternative approach of numerical integration for rational functions related to linear convex quadrilateral finite elements, *Journal of Applied Sciences Research*, **2**(9), 533 – 540.

59. **Md. Shafiqul Islam** (**2004**) – Explicit hermite basis functions for linear quadrilateral elements, *GANIT* (Jn. of Bangladesh Math. Society), **22**, 73 – 82.

60. **Md. Shafiqul Islam**, Md. Jahrul Alam (**2003**) – Accuracy of the quadratic quadrilateral finite elements of straight sides, *GANIT* (Jn. of Bangladesh Math. Society), **20**, 21–35.

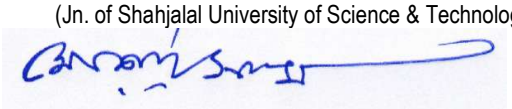
61. H. T. Rathod, **Md. Shafiqul Islam** (**2002**) – Reduction of rational integrals related to linear and convex quadrilateral finite elements, *Numerical Methods for Partial Differential Equations*, **18**, 759 - 770.

62. H. T. Rathod, **Md. Shafiqul Islam** (**2001**)– Some pre-computed universal arrays for linear convex quadrilateral finite elements, *Finite Elements in Analysis and Design*, **38**, 113 – 136.

63. H. T. Rathod, **Md. Shafiqul Islam** (**2000**) – Some analytical integration formulas for trapezoidal shape quadrilateral elements of Lagrange family, *Communications in Numerical Methods in Engineering*, **16**, 423–438.

64. H. T. Rathod, **Md. Shafiqul Islam** (**1998**) – Integration of rational functions of bivariate numerators with linear denominators over (-1,1) square in a local parametric two-dimensional space, *Computer Methods in Applied Mechanics and Engineering*, **161**, 195–213.

65. **Md. Shafiqul Islam** (**1996)** – Spectrum of the ceasaro operator on the space of bounded sequences, SUST Studies (Jn. of Shahjalal University of Science & Technology, Bangladesh), 1 (1), 48 – 54.



(Md. Shafiqul Islam)