Curriculum Vitae of

Dr. Harun-Or-Roshid

Address

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Google Scholar citations: https://scholar.google.com/citations?user=7T027tgAAAAJ&hl=en

Researchgate: https://www.researchgate.net/profile/Harun_Or_Roshid_Roshid

Reviewer History: https://www.reviewerrecognition.elsevier.com/#/profile/dc3b3e0e-8059-40b6-8c73-e3e8ca37734e

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Highlights: Over 543 Google Scholar citations to the journal articles. A Google Scholar h-index 14 and i10-index 19.

Objectives

To continue to grow leadership and knowledge, excel in innovative technology application, interest and share with team members and colleagues and develop world–class problem solutions to real-world challenges. With my experience and knowledge, I would like to bring a major change in the education system by implementing innovative ideas and ideals.

A. Research Interest

Teaching and conducting research in the field of Nonlinear Oscillation, Soliton theory, Traveling wave, Ordinary and Partial Differential Equations and Biomathematics.

B. Education

Degree	Name of Board/ University	Year of passing	Division/Class obtained	Field/Discipline
Ph. D.	Rajshahi University **Title of Ph. D. Thesis:** Asymptotic method for time dependent nonlinear differential systems with slowly varying coefficients.	2014(July)	Awarded	Mathematics
M. Sc.	Rajshahi University **Title of M. Sc. Thesis:** Quasi-periodic solutions of Duffing type equations.	2006	First Class (1st position)	Applied Mathematics (Thesis group)
B. Sc.(Hons)	Rajshahi University	2005	First Class (2nd position)	Mathematics
H. S. C	Dhaka Board	2001	First Division	Science Group
S. S. C	Dhaka Board	1999	First Division	Science

				Group

C. Employment History

Dates	Name of the Institution	Post held
From 29/07/2017 to 28/07/2019	Pabna University of Science and Technology	Dean, Faculty of Science
From 01/04/2017 to till now	Pabna University of Science and Technology	Chairman of Dept. of Mathematics,
From 01/03/2016 to 01/08/2017	Pabna University of Science and Technology	Administrator of Teachers Dormitory
From 01/02/2016 to till now	Pabna University of Science and Technology	Associate Professor, Dept. of Mathematics
From 01/04/2012 to 31/01/2016	Pabna University of Science and Technology	Assistant Professor Dept. of Mathematics
From 01/04/2009 to 31/03/2012	Pabna University of Science and Technology	Lecturer Dept. of Mathematics

D. Administrative Activities

Dates	Name of the Institution	Post held
From 29/07/2017 to 28/07/2019	Pabna University of Science and Technology	Dean, Faculty of Science
From 01/04/2017 to till now	Pabna University of Science and Technology	Chairman of Dept. of Mathematics,
From 01/03/2016 to 01/08/2017	Pabna University of Science and Technology	Administrator of Teachers Dormitory

E. Research Articles
ISI and SCOPUS Listed articles

1. M.F. Hoque and **Harun-Or-Roshid,** Optical soliton solutions of the Biswas-Arshed model by the $\tan(\Theta/2)$ expansion approach, Physica Scripta, 95, 2020 (In press), https://doi.org/10.1088/1402-4896/ab97ce (**Indexed: ISI IF=2.151, SCOPUS**), **IOP Science.**

2. MS Ullah, **Harun-Or-Roshid,** M. Zulfikar Ali, Z Rahman, Dynamical structures of multi-soliton solutions to the Bogoyavlenskii's breaking soliton equations, The European Physical Journal Plus 135 (3), 1-10, 2020. (**Indexed: ISI IF=2.612, SCOPUS**), **Springer.**

3. **Harun-Or- Roshid,** M. H. Khan, A. M. Wazwaz, Lump, multilump, cross kinky-lump and manifold periodic-soliton solutions for the (2+1)-D Calogero–Bogoyavlenskii–Schiff equation. Heliyon 6 (2020) e03701. (**Indexed: ESCI, SCOPUS), Elsevier**.

4. **Harun-Or-Roshid** and WX Ma, Dynamics of mixed lump-solitary waves of an extended $(2+1)$-dimensional shallow water wave model, Physics Letters A 382 (45), 3262-3268, 2018. (**Indexed: ISI IF=2.087, SCOPUS**), **Elsevier.**

5. M. B. Hossen, **Harun-Or-Roshid** and M. Zulfikar Ali, Characteristics of the solitary waves and rogue waves with interaction phenomena in a (2+ 1)-dimensional Breaking Soliton equation, Physics Letters A 382 (19), 1268-1274, 2018. (**Indexed: ISI IF=2.087, SCOPUS**), **Elsevier.**

6. **Harun-Or-Roshid** and Md. Azizur Rahman, The exp(−Φ(η))-expansion method with application in the (1+1)-dimensional classical Boussinesq equations, *Results in Physics* **4:** 150-155, 2014. doi:10.1016/j.rinp.2014.07.006. (**Indexed: ISI IF=3.042, SCOPUS**), **Elsevier.**

7. **Harun-Or-Roshid,** M. R. Kabir, R. C. Bhowmik, B. K. Datta, Investigation of solitary wave solutions for Vakhnenko-Parkes equation via exp-function and Exp (− ϕ (ξ))-expansion method, *SpringerPlus*, **3**: 692, 2014. Doi: 10.1186/2193-1801-3-692. **(Indexed: ISI IF=1.130, SCOPUS), Springer.**

8. **Harun-Or-Roshid,** M. Ali Akbar**,** M. N. Alam, M. F. Hoque and N. Rahman, New extended (G'/G)-expansion method to solve nonlinear evolution equation: The (3+1)-dimensional potential-YTSF equation, *SpringerPlus*, **3(1)**: 122, 2014. (**Indexed: ISI IF=1.130, SCOPUS**), **Springer.**

9. M. N. Alam, M. Ali Akbar, **Harun-Or-Roshid**, Traveling wave solutions of the Boussinesq equation via the new approach of generalized (G′/G)-expansion method, *SpringerPlus*, **3(1)**: 43, 2014. (**Indexed: ISI IF=1.130, SCOPUS**), **Springer.**

10. MN Alam, MG Hafez, MA Akbar and **Harun-Or-Roshid,** Exact traveling wave solutions to the (3+ 1)-dimensional mKdV–ZK and the (2+ 1)-dimensional Burgers equations via exp (− Φ (η))-expansion method, *Alexandria Engineering Journal*, **54(3)**: 635-644, 2015 DOI:10.1016/j.aej.2015.05.005. (**Indexed: ISI 3.696, Scopus**), **Elsevier.**

11. **Harun Or ROSHID**, Md Nur ALAM, M Ali AKBAR, Traveling Wave Solutions for Fifth Order (1+ 1)-Dimensional Kaup-Keperschmidt Equation with the help of Exp (-Phi)-Expansion Method, *Walailak Journal of Science and Technology (WJST)*, **12(11)**: 2015. (**Indexed: SCOPUS)**

12. M. M. Roshid and **Harun-Or-Roshid,** Exact and explicit traveling wave solutions to two nonlinear evolution equations which describe incompressible viscoelastic Kelvin-Voigt fluid, Heliyon 4 (8), e00756, 2018, (**Indexed: ESCI, SCOPUS**), **Elsevier.**

13. **Harun-Or-Roshid,** M. M. Roshid, N. Rahman and M. R. Pervin, New solitary wave in shallow water, plasma and ion acoustic plasma via the GZK-BBM equation and the RLW equation, *Propulsion and Power Research* **6(1)**: 49–57, **2017**. http://dx.doi.org/10.1016/j.jppr.2017.02.002 (**Indexed: ISI WOS, SCOPUS**), **Elsevier.**

14. **Harun-Or-Roshid,** M.F. Hoque, M. A. Akbar, New extended (G'/G)-expansion method for traveling wave solutions of nonlinear partial differential equations (NPDEs) in mathematical physics, *Italian Journal of Pure and Applied Mathematics* **33:**175-190, 2014. (**Indexed: ISI WOS, SCOPUS**).

15. M. A. Huda, **Md. Harun-Or-Roshid**, A. Islam, Mst. Mumtahinah, Sensitivity and Accuracy of Eigenvalues Relative to Their Perturbation, *J. Mech. Cont. & Math. Sci.*, **6(1)**: 780-796, 2011. (**Indexed: ISI WOS)**.

16. M.F. Hoque, **Harun-Or-Roshid**, A.C. Paul, The θ-Centralizers of Semiprime Gamma Rings, *Research Journal of Applied Sciences, Engineering and Technology* **6(22):** 4129-4137, 2013, Maxwell Scientific Organization, 2013. (**Indexed: ISI WOS, SCOPUS**).

17. **Harun-Or-Roshid** and MN Alam, Multi-Soliton solutions to nonlinear Hirota-Ramani equation, *Appl. Math. Inf. Sci.* **11(3)**: 723-727, **2017**. doi:10.18576/amis/110311 (ISI IF: 1.232)

18. M. B. Hossen, **Harun-Or-Roshid** and M. Zulfikar Ali, Modified Double Sub-equation Method for Finding Complexiton Solutions to the (1+ 1) Dimensional Nonlinear Evolution Equations, *Int. J. of Appl. and Comput.* **3(3)**: 1-19, **2017**. (**Indexed: SCOPUS)**, **Springer**.

19. **Harun-Or- Roshid,** Lump solutions to a (3+ 1)-dimensional potential-Yu–Toda–Sasa–Fukuyama (YTSF) like equation, *Int. J. of Appl. and Comput.* **3(1)**: 1455-1461, **2017**. (**Indexed: SCOPUS)**, **Springer**.

20. **Harun-Or-Roshid**, Md. Nur Alam, M.F. Hoque and M. Ali Akbar, A new extended (G'/G) -expansion method to find exact traveling wave solutions of nonlinear evolution equations, *Mathematics and Statistics*, **1(3)**: 162-166, 2013, DOI: 10.13189/ms.2013.010308, (**Indexed: SCOPUS)** (**USA**).

21. M. N. Alam**,** M. Ali Akbar and **Harun-Or-Roshid**, Study of nonlinear evolution equations to construct traveling wave solutions via the new approach of the generalized (G'/G) -expansion method, *Mathematics and Statistics*, **1(3)**: 102-112, 2013, DOI: 10.13189/ms.2013.010302, (**Indexed: SCOPUS)** (**USA**).

22. M Belal Hossen, **Harun-Or-Roshid,** MZ Ali, Multi-soliton, breathers, lumps and interaction solution to the (2+1)-dimensional asymmetric Nizhnik-Novikov-Veselov equation, Heliyon 5 (10), e02548 2019. (**Indexed: ESCI, SCOPUS**), **Elsevier.**

23. **Harun-Or-Roshid,** Multi-soliton of the (2+ 1)-dimensional Calogero-Bogoyavlenskii-Schiff equation and KdV equation, Computational Methods for Differential Equations 7(1) 86-95, 2019. **(Indexed: ESCI).**

24. **Harun-Or-Roshid** and MM Rashidi, Multi-Soliton fusion phenomenon of Burgers equation and fission, fusion phenomenon of Sharma-Tasso-Olver equation, *J. of Ocean Engi. and Sci.* **2(2):** 120-126, **2017**. https://doi.org/10.1016/j.joes.2017.04.001 (**Indexed: ESCI)**, **Elsevier.**

25. **Harun-Or-Roshid,** Novel solitary wave solution in shallow water and ion acoustic plasma waves n-terms of two nonlinear models via MSE Method, *J. of Ocean Engi. and Sci.* **2017,** doi: 10.1016/j.joes.2017.07.004, (**Indexed: ESCI)**, **Elsevier.**

26. M Alam, M Rahman, M Islam, R Islam, **Harun-Or-Roshid**, Application of the new extended (G'/G)-expansion method to find exact solutions for nonlinear partial differential equation, *Computational Methods for Differential Equations*, 3(1): 59-69, 2015. (**Indexed: ESCI)**

27. M.F. Hoque, **Harun-Or-Roshid**, A.C. Paul, An Equation Related to Thita-Centralizers in Semiprime Gamma Rings, *International J. Math. Combin.* **4(2012)**: 17-26, 2012. (**Indexed: ISI IF= 2.16)**.

Others Index articles

28. M. A. Rahman, M. N. Alam and **Harun-Or-Roshid,** The Generalized Kudryshov method implemented to the nonlinear conformable time-fractional PHI-Four equation, Annals of Pure and Applied Mathematics, 21 (1), 69-76, 2020.

29. **Harun-Or-Roshid,** Kink type traveling wave solutions of right-handed non-commutative Burgers equations via extended (G'/G) -expansion method; Physical Science International Journal 21 (4), 1-6, 2019. https://doi.org/10.9734/psij/2019/v21i430117

30. **Harun-Or-Roshid,** MZ Ali, P Dey, MA Akbar, Perturbation solutions to fifth order over-damped nonlinear systems, Journal of Advances in Mathematics and Computer Science 32 (4), 1-11, 2019.

31. **Harun-Or-Roshid,** New exact traveling wave solutions to Burgers equation, Journal of Scientific Research and Reports, 21(1), 1-9, 2018. https://doi.org/10.9734/jsrr/2018/v21i121806

32. Md. Rafiqul Islam and **Harun-Or-Roshad,** Application of Generalized Kudryashov method to the Burger equation, *I. J. of Math. Trends and Tech.*, **38 (2)**: 111-113, 2016.

33. Md. Rafiqul Islam and **Harun-Or-Roshad,** Application of Exp(Phi(Xi))-expansion method for Tzitzeica type nonlinear evolution equations, *J. for Foundations and Applications of Phys.*, **4(1)**: 8-18, 2016.

34. M. M. Hossain, **Harun-Or-Roshid** and M. A. N. Sheikh, Abundant exact traveling wave solutions of the (2+1)-Dimensional couple Broer-Kaup equations, *J. for Foundations and Applications of Phys.*, **3(1)**: 1-13, 2016.

35. **Harun-Or-Roshid**, Md. Nur Alam and M. Ali Akbar, Traveling wave solutions of the simplified MCH equation via Exp(−F(x))-expansion Method , *B. J. of Math. & Computer Sci.* 01/2015; **5(5)**: 595-605, 2015. DOI: 10.9734/BJMCS/2015/10800. (**Indexed: Zentelblat Math)**.

36. MN Alam, MG Hafez, MA Akbar, **Harun-Or-Roshid**, Exact Solutions to the (2+ 1)-Dimensional Boussinesq Equation via exp (Φ (η))-Expansion Method, *Journal of Scientific Research*, **7(3)**: 1-10, 2015. DOI:10.3329/jsr.v7i3.17954.

37. **Harun-Or-Roshid,** M. M. Hossain, M. A. N. Sheikh, Topological soliton, singular soliton and other exact traveling wave solutions for Burger-Huxley equation, *Asian Journal of Mathematics and Computer Research* 09/2015; **6(4)**: 312-331, 2015.

38. K. Khan, M.A. Akbar and **Harun-Or-Roshid**, Exact traveling wave solutions of nonlinear evolution equation via Enhanced (G'/G)-expansion method, *B. J. of Math. & Computer Sci.* **4(10)**:1318-1334, 2014 (**Indexed: Zentelblat Math)**.

39. **Harun-Or-Roshid**, M.F. Hoque, Md. Nur Alam and M. Ali Akbar, New extended (G'/G) -expansion method and its application in the (3+1)-dimensional equation to find new exact traveling wave solutions, *Universal Journal of Computational Mathematics*, 2(2): 32-37, 2014. DOI: 10.13189/ujcmj.2014.020203 http://www.hrpub.org, (USA).

40. M. A. Rahman and **Harun-Or-Roshid**, The Generalized Kudryshov method implemented to the nonlinear conformable time-fractional PHI-Four equation, Annals of Pure and Applied Mathematics 21 (1), 69-76, 2017; DOI: http://dx.doi.org/10.22457/apam.v21n1a9661

41. **Harun-Or-Roshid**, M. N. Alam, M. A. Akbar, M. S. Ulla, A note on novel (G/G)-expansion method in nonlinear physics, *SOP Transctions on theoretical physics* **1(1)**: 82-100. DOI: 10.15764/TPHY.2014.02008

42. N. Rahman, **Harun-Or-Roshid**, M. N. Alam, S. Zafor, Exact traveling wave solutions of the nonlinear (2+1)-dimensional typical breaking soliton equation via Exp-(-ϕ(ξ))-expansion method, *International J. of Sci. Eng. and Tech.*, **3(2)**: 93-97, 2014.

43. N. Rahman, M. N. Alam, **Harun-Or-Roshid,** S. Akter, M. Ali Akbar, Application of Exp-(-ϕ(ξ))-expansion method to find the exact solutions of Shorma-Tasso-Olver Equation, *African J. of Math. and Com. Sci. Research*, **7(1)**: 1-6, 2014.

44. S. Akter, **Harun-Or-Roshid**, M.N. Alam, N. Rahman, M. Ali Akbar, Application of Exp-(-ϕ(η)) -expansion method to find the exact solutions of nonlinear evolution equations, *IOSR J. of Math.*, **9(6)**: 106-113, 2014. (**Indexed: Zentralblatt MATH, Mathematical Reviews, MathSciNet)**

45. M. F. Hoque, M. R. Amin, **Harun-Or-Roshid**, Some Features of a - T2 Spaces in Supra Fuzzy Topology, *International J. Eng. Tech.* **7(4)**: 728-733, 2010.

46. P. R. Kundu, M. H. Rahman and **Harun-Or-Roshid,** New application of extended (G'/G)-expansion method in the (3+1)-dimensional Jimbo-Miwa equation to find new exact traveling wave solutions, *J. of Env. Sci., Comp. Sci. and Eng. & Tech.* **3(4)**: 2151-2159, 2014.

47. **Harun-Or-Roshid,** M. H. Uddin, M. M. Hossain and M. H. Rahman, Exact Traveling Wave Solutions to Vakhnenko-Parkes Equation, *International Journal of Software and Hardware Research in Engineering* 05/2014; **2(5)**: 178-182, 2014.

48. **Harun-Or-Roshid,** M. N. Alam and M. A. Akbar, Traveling and non-traveling wave solutions for Foam Drainage equation, *Int. J. of Appl. Math and Mech* 01/2014; **10(11)**: 65-75, 2014.

49. **Harun-Or-Roshid**, N. Rahman and M.A. Akbar, Traveling waves solutions of nonlinear Klein Gordon equation by extended (G′/G)-expasion method, *Annals of Pure and Appl. Math.*, **3**: 10-16, 2013. (**Indexed: Mathematical Reviews, MathSciNet)**

50. N. Rahman, S. Akter, **Harun-Or-Roshid** and M. N. Alam, Traveling wave solutions of the (1+1)-dimensional compound KdVB equation by Exp$(-\Phi(\eta))$-expansion method, *Global J. of Sci. Frontier Research- Physics and Space Sci.* **13(8)**: 6-13, 2013.

51. Rafiqul Islam, Md. Nur Alam, A.K.M. Kazi Sazzad Hossain, **Harun-Or-Roshid** and M.A. Akbar, Traveling wave solutions of nonlinear evolution equations via exp$(-\Phi(\eta))$-expansion method, *Global Journal of Scientific Frontier Research*, **13 (11)**: 2013.

52. P. Dey, **Harun-Or-Roshid,** M. A. K. Azad and M. S. Uddin, Approximate solution of second order time dependent nonlinear vibrating systems with slowly varying coefficient, Bull. Cal. Math. Soc., 103 (5), 371-380, 2011.

53. M. M. Rahman, **Harun-Or-Roshid**, M. A. Mozid Pk, M. A. A. Mamun, A comparative study of wavelet transform and fourier transform, *J. of Physical Sci.*, **15(2011)**: 149-160, 2011.

F. Conferences

1. M. Safi Ullah, M.Zulfikar Ali and **Harun-Or-Roshid**, Novel interaction solutions among the lump, periodic and kink waves for the (3+1)-D Sharma-Tasso-Olver like equation, 21th International mathematics conference 2019 on DU.
2. Zillur Rahman, M.Zulfikar Ali and **Harun-Or-Roshid**, Dynamical structures of two extended higher order KdV type equations, 21th International mathematics conference 2019 on DU.
3. **Harun-Or-Roshid** and Md. Rafiqul Islam, Explicit and exact traveling wave solutions of Cahn Allen model using MSE method, 1st International conference on mathematics and its applications KU, 23 December 2015.
4. **Harun-Or-Roshid,** Lump solutions to a (3+1)-Dimensional Potential-Yu-Toda-Sasa-Fukuyama (YTSF) like equation, 20th International mathematics conference 2017 on DU.

G. Submitted Research articles

Ten research articles have been submitted in international (including ISI and SCOPUS indexed) journals.

H. Research Grant

More then five Researcher grant are received from Ministry of Education research grant (R&D) and Pabna University research grant.

I. Published Books

1. **Harun-Or-Roshid** and Md Mamunur Roshid, Exact traveling wave solutions of some nonlinear models, LAP LAMBERT Academic Publishing, ISBN (978-620-2-51617-4).
2. Selina Akter and **Harun-Or-Roshid**, Solitary waves for nonlinear oceanic models, LAP LAMBERT Academic Publishing, ISBN (978-620-2-52715-6).

J. M. Phill. Supervision

3. Md. Mobarak Hossain, Title: Exact travelling wave solutions of nonlinear evolution equations in mathematical physics. **2015** (Co-Supervisor)
4. Md. Bellal Hossain, Title: Investigation of the soliton and multi-soliton solutions of nonlinear evolution equations in mathematical physics. (Co-Supervisor)
5. Md. Zillur Rahman, Title : Analytical methods to investigate exact solutions for space-time fractional Differential Equations arising in the real physical phenomena of Mathematical Physics and Biology. (Co-Supervisor)
6. Md. Safi Ullah, Title : An analytical methods for finding exact traveling wave solutions of some nonlinear evolution equations (NLEEs) in Biological and Mathematical problems. (Co-Supervisor)
7. Md. Sabur Hossain, Title : Derivation of higher order nonlinear evolution equations and its Lump and rogue wave solutions.
8. Mst. Selina Akter, Title : Exact solitons and traveling wave solutions of nonlinear evolution equations in costal and harbor engineering.

K. M. S. (Applied) Thesis Supervision

1. Md. Nizhum Rahman, student ID-090317, Title : Exact traveling wave solutions of non-linear Partial Differential equations in mathematical physics & its applications.
2. Mst. Selina Akter, student ID-100337, Title : Analytic methods to investigate exact solutions for some partial differential equations arising in the real physical phenomena of mathematical physics.
3. Md. Mamunur Roshid, student ID-110307, Title : Exact traveling wave solutions of some nonlinear models using MSE and EMSE methods in mathematical physics.
4. Nakul Chandra Ray, student ID-110310, Title: Analytic methods to investigate exact solutions for some partial differential equations arising in the real physical phenomena of mathematical physics.

5. Md. Mahbub Hassan, student ID-120307, Title: Lump & multi-lump wave solutions of the Jimbo-Miwa equation & Calogero-Bogoyavlenskii-Schiff equation.
6. Ratan Kumer Sen, student ID-130352, Title: Analytical methods for solving time fractional order non-linear evolution models arising shallow and long waves
7. Pryanka Dutta, student ID-130309, Title: Mult-rogue and breather wave solutions of nonlinear evolution equations.
8. Bishnu Pada, student ID-120320, Title: Optical and rogue soliton solutions of the (2+1) dimensional nonlinear Heisenberg ferromagnetic spin chains equation and the nonlinear transmission line (NLTL) model description in electrical circuits.

L. B. Sc. (Hons.) Project Supervision

Project supervision of about 20 students have completed on the under graguate level.

M. Editorial Board

i. Contemporary Mathematics
ii. International Journal for Research in Mathematics and Statistics (ISSN: 2208-2662)
iii. International Journal of Applied Mathematics and Theoretical Physics
iv. SCIREA Journal of Mathematics

N. Reviewer

v. Physica Scripta (**ISI IF=2.151, IOP Science**)
vi. SpringerPlus (**ISI IF=1.130, Springer**)
vii. ScienceAsia (**SCI**)
viii. Waves in Random and Complex media (**Taylor & Francis**) (ISI IF-1.67)
ix. Journal of Physics A: Mathematical and Theoretical (**IOP Science**) (ISI IP 2.16)
x. Journal of Ocean Engineering and Science (**ESCI**, **Elsevier**)
xi. Hindawi publishing corporation
xii. Asian Journal of Mathematics and Computer Research
xiii. International Journal of Scientific Research in Knowledge (IJSRK)
xiv. British Journal of Mathematics and Computational (Science Domain)
xv. International Journals of Engineering & Sciences IJENS
xvi. International Journal of Scientific Engeneering and Technology

O. Life member

i. Bangladesh Mathematical Society (আ: ১৩১৭)
ii. International Journals of Engineering & Sciences IJENS

P. Academic Awards

i. A. F Muzibur Rahmar foundation Gold Medal.

Q. Subjects Studies

(a) M. Sc. Program: Computational Stellar Astrophysics, Relativity & Cosmology, Mathematical Modeling & Population Dynamics, Biomathematics, Aerodynamics, Nonlinear Oscillations, Industrial Mathematics, Quantum Mechanics, Computational Fluid Dynamics.

(b) B. Sc. Program: Algebra and Trigonometry, Geometry, Calculus, Real Analysis, Vector and Tensor Analysis, Differential Equations, Complex Analysis, Mechanics, Mathematical Methods, Numerical

Analysis, Discrete Mathematics, Operation Research, Ring Theory, Group Theory, Hydrodynamics, Elements of Quantum Mechanics, Electromagnetic Theory, Classical Mechanics, Differential Geometry, Astronomy.

R. Teaching Interest

(a) Undergraduate Level: Differential Equations, Hydrodynamics, Mechanics, Geometry, Numerical Analysis, Complex analysis, Calculus and others.

(b) Graduate Level: Mathematical Modeling & Population Dynamics, Quantum Mechanics, Numerical Analysis, Astronomy, Biomathematics, Computational Fluid Dynamics.

S. Computer Skills

C/C^{++}, FORTRAN, MAPLE, MATHEMATICA, MS Word, MS excel, Power Point.

T. Languages

Writing and Speaking (fluently): English and Bengali.

U. Personal Profile

1. Name : **Harun-Or-Roshid**
2. Occupation: Associate Professor, Department of Mathematics, Pabna Science and Technology University, Pabna – 6600, Bangladesh.
3. Father's Name: Md. Akteruzzaman
4. Mother's Name: Tahmina Begum
5. Date of Birth: 11th November, 1983.
6. Sex: Male
7. Marital Status: Double
8. Nationality: Bangladeshi
9. Present Address: Associate Professor, Department of Mathematics, Pabna Science & Technology University, Pabna – 6600, Bangladesh.
10. Permanent Address: Vill: Bindhan, Post: Ullokhala Bazar, Thana & District: Gazipur, Bangladesh.

V. References

1. Prof. Dr. M. Zulfikar Ali, Professor, Department of Mathematics, Rajshahi University, Rajshahi-6600 Bangladesh. Email: zulfi1022002@yahoo.com , Phone: +881556308978. (my **PhD supervisor**)
2. Prof. Dr. Md. Ashabul Haque, Professor, Department of Mathematics, Rajshahi University, Rajshahi-6600, Bangladesh. Email: ashabulh@yahoo.com, Phone: +881715587509.
3. Prof. Dr. M. Ali Akbar, Associate Professor, Department of Applied Mathematics, University of Rajshahi, Rajshahi-6205, Bangladesh. Email: ali_math74@yahoo.com, Phone: +881729918835.

(Harun-Or-Roshid)