


## Curriculum Vitae of **Dr. M. Ali Akbar**

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### 1. Education

Sept. 04, 2005 (Degree Awarded)	<p><b>Ph. D. in Mathematics</b>, Department of Mathematics, University of Rajshahi, Rajshahi-6205, Bangladesh.</p> <ul style="list-style-type: none"> <li>• Thesis Title: <b>On Some New Approximate Solutions of Fourth Order Nonlinear Differential Equations.</b></li> </ul>
1995 – 1996	<p><b>M. Sc. in Mathematics</b>, University of Rajshahi, Bangladesh.</p> <ul style="list-style-type: none"> <li>• Result: <b>First Class (First position)</b></li> </ul>
1992 – 1995	<p><b>B. Sc. (Hons.) in Mathematics</b>, University of Rajshahi, Bangladesh.</p> <ul style="list-style-type: none"> <li>• Result: <b>First Class (Third position)</b></li> </ul>

### 2. Academic and Merit Awards

<ul style="list-style-type: none"> <li>• Ministry of Science and Information &amp; Communication Technology, Bangladesh for undertaking Ph. D Research.</li> <li>• Suhrawardy Hall (Rajshahi University, Bangladesh) Gold Medal.</li> <li>• Graduated with Honors and Scholarship in B.Sc. in Mathematics at Rajshahi University, Rajshahi, Bangladesh.</li> <li>• Awarded a Scholarship for Studying M. Sc. in Mathematics at Rajshahi University, Rajshahi, Bangladesh.</li> </ul>
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### 3. Teaching/professional Experiences:

From June 30, 2012 to till date	<b>Associate Professor</b> , Department of Applied Mathematics, University of Rajshahi, Rajshahi-6205, Bangladesh.
From January 22, 2007 to June 29, 2012	<b>Assistant Professor</b> , Department of Applied Mathematics, University of Rajshahi, Rajshahi-6205, Bangladesh.
From January 05, 2006 to January 21, 2007.	<b>Assistant Professor</b> , Mathematics Discipline, Khulna University, Khulna-9208, Bangladesh.
From August 02, 2005 to January 04, 2006	<b>Lecturer</b> , Mathematics Discipline, Khulna University, Khulna-9208, Bangladesh.
From July 13, 2005 to August 01, 2005	<b>Assistant Professor</b> , Department of Mathematics, Rajshahi University of Engineering and Technology, Rajshahi-6204, Bangladesh.
From September 10, 2001 to July 12, 2005	<b>Lecturer</b> , Department of Mathematics, Rajshahi University of Engineering and Technology, Rajshahi-6204, Bangladesh.

### 4. Post-Doctoral Research:

- School of Mathematical Sciences, Universiti Sains Malaysia (USM), 11800 Penang, Malaysia (from 17-01-2011 to 16-01-2012).

## 5. Visiting Researcher:

- School of Mathematical Sciences, Universiti Sains Malaysia (USM), 11800 Penang, Malaysia (from 19-10-2012 to 08-11-2012). (**USM Visiting Researcher**).
- School of Mathematical Sciences, Universiti Sains Malaysia (USM), 11800 Penang, Malaysia (from 09-12-2013 to 08-03-2014). (**TWAS-USM Visiting Researcher**).
- School of Mathematical Sciences, Universiti Sains Malaysia (USM), 11800 Penang, Malaysia (from 21-09-2015 to 20-10-2015). (**USM Visiting Researcher**).

**6. Book: M. Ali Akbar**, KBM method for fourth order nonlinear differential systems, Lambert Academic Publishing (**German**), **ISBN: 978-3-8465-1176-3**.

## 7. Research Articles:

148. Md. Nur Alam, M. G. Hafez, **M. Ali Akbar** and Fethi Bin Muhammad Belgacem, Application of new generalized ( $G'/G$ )-expansion method to the (3+1)-dimensional Kadomtsev-Petviashvili equation, *Italian J. Pure Appl. Math.*, **37**: (to appear), 2016. (**Indexed: SCOPUS**).
147. Kamruzzaman Khan, **M. Ali Akbar** and Ahmet Bekir, Solitary Wave Solutions of the (2+1)-Dimensional Zakharov-Kuznetsev-Modified Equal-Width Equation, *Journal of Information and Optimization Sciences*, (accepted for publication, Ref. No. 1412013). **Taylor & Francis**.
146. Syed Tauseef Mohyud-Din Touqeer Nawaz Ehtsham Azhar and **M. Ali Akbar**, Fractional Sub-Equation Method to Space-Time Fractional Calogero-Degasperis and potential Kadomtsev-Petviashvili equations, *J. Taibah Univ. Sci.*, (in press) 2016. (**Indexed: ISI**). **Elsevier**. DOI: 10.1016/j.jtusci.2014.11.010.
145. Kamruzzaman Khan and **M. Ali Akbar**, Solitary and periodic wave solutions of nonlinear wave equations via the functional variable method, *J. Interdis. Math.*, (in press, Manuscript No. 1403014), 2016. (**Indexed: SCOPUS**). **Taylor & Francis**.
144. **M. Ali Akbar**, Md. Nur Alam and Md. Golam Hafez, Application of the novel ( $G'/G$ )-expansion method to construct traveling wave solutions to the positive Gardner-KP equation, *Indian J. Pure Appl. Math.*, (in press), 2016. (**Indexed: SCOPUS, ISI; IF: 0.224**). **Springer**.
143. Kamruzzaman Khan, **M. Ali Akbar** and Ahmed. H. Arnous, Exact traveling wave solutions for system of nonlinear evolution equations, *SpringerPlus*, (accepted for publication, MS ID: PLUS-D-15-00108R2), 2016. (**Indexed: SCOPUS, ISI**), **Springer**.
142. **M. Ali Akbar** and Norhashidah Hj. Mohd. Ali, An ansatz for solving nonlinear partial differential equations in mathematical physics, *SpringerPlus*, **5:24**, 2016. DOI: 10.1186/s40064-015-1652-9. (**Indexed: SCOPUS, ISI**), **Springer**.
141. Md. Nur Alam and **M. Ali Akbar**, Application of the new generalized ( $G'/G$ )-expansion method to the right-handed non-commutative Burgers equation, *1st International Conference on Mathematics and Its Applications*, 2015, pp. 31-41.

- 140.S. M. Rayhanul Islam, Kamruzzaman Khan and **M. Ali Akbar**, The enhanced  $(G'/G)$ -expansion method applied to the coupled (1+1)-dimensional Broer-Kaup equations, *1st International Conference on Mathematics and Its Applications*, 2015, pp. 66-79.
- 139.Md. Nur Alam, Fethi Bin Muhammad Belgacem and **M. Ali Akbar**, Analytical treatment of the evolutionary (1+1)-dimensional combined KdV-mKdV equation via the novel  $(G'/G)$ -expansion method, *J. Appl. Math. Phys.*, **3**: 1571-1579, 2015. DOI: 10.4236/jamp.2015.312181.
- 138.Kamruzzaman Khan and **M. Ali Akbar**, Solving unsteady Korteweg de-Vries equation and its two alternatives, *Math. Methods Appl. Sci.*, (accepted for publication), 2016. **(Indexed: SCOPUS, ISI; IF: 0.918), Wiley-Blackwell.**
- 137.Md. Tarikul Islam, **M. Ali Akbar** and Md. Abul Kalam Azad, A rational  $(G'/G)$ -expansion method and its application to the modified KdV-Burgers equation and the (2+1)-dimensional Boussinesq equation, *Nonlinear Studies*, **22(4)**: 635-645, 2015. **(Indexed: SCOPUS).**
- 136.Md. Nur Alam, M.G. Hafez, Fethi Bin Muhammad Belgacem and **M. Ali Akbar**, Applications of the novel  $(G'/G)$ -expansion method to find new exact traveling wave solutions of the nonlinear coupled Higgs field equation, *Nonlinear Studies*, **22(4)**: 613-633, 2015. **(Indexed: SCOPUS).**
- 135.M. Golam Hafez, Bin Zheng and **M. Ali Akbar**, Exact travelling wave solutions of the coupled nonlinear evolution equation via the Maccari system using novel  $(G'/G)$ -expansion method, *Egyptian J. Basic Appl. Sci.*, **2(3)**: 206-220, 2015. DOI: 10.1016/j.ejbas.2015.04.002. **Elsevier.**
- 134.Md Nur Alam, Md. Golam Hafez, **M. Ali Akbar** and Harun-Or-Roshid, Exact traveling wave solutions to the (3+1)-dimensional mKdV-ZK and the (2+1)-dimensional Burgers equations via  $\exp(-\varphi(\eta))$ -expansion method, *Alexandria Engr. J.*, **54(3)**: 635-644, 2015. **(Indexed: SCOPUS, ISI; SNIP: 0.816). Elsevier.**
- 133.Harun-Or-Roshid, Md. Nur Alam, **M. Ali Akbar**, Traveling wave solutions for fifth order (1+1)-dimensional Kaup-Kuperschmidt equation with the help of  $\exp(-\Phi(\xi))$ -expansion method, *Walailak J. Sci. Tech.*, **12(11)**: 1063-1073, 2015. **(Indexed: SCOPUS).**
- 132.Kamruzzaman Khan, and **M. Ali Akbar**, Study of functional variable method for finding exact solutions of nonlinear evolution equations, *Walailak J. Sci. Tech.*, **12(11)**: 1031-1042, 2015. **(Indexed: SCOPUS).**
- 131.Md. Nur Alam and **M. Ali Akbar**, A novel  $(G'/G)$ -expansion method and its application for solving the (3+1)-dimensional modified KdV-Zakharov-Kuznetsov equation in mathematical physics, *Int. J. Computing Science and Mathematics*, **6(4)**: 404-415, 2015. **(Indexed: SCOPUS), Inderscience Publishers.**
- 130.Harun-Or-Roshid, M. Zulfikar Ali, Pinakee Dey and **M. Ali Akbar**, Perturbation solutions to fifth order over-damped nonlinear systems, *British J. Math. Comput. Sci.*, 2015, (in press).

- 129.M. Ashrafuzzaman Khan and **M. Ali Akbar**, The modified simple equation method and its application to solve NLEEs associated with engineering problem, *Phys. Sci. Int. J.*, **7(4)**: 262-282, 2015.
- 128.Kamruzzaman Khan, **M. Ali Akbar**, M. M. Rashidi and Isa Zamanpour, Exact traveling wave solutions of an autonomous system via the enhanced  $(G'/G)$ -expansion method, *Waves in Random and Complex Media*, **25**: 644-655, 2015. (Indexed: SCOPUS, ISI; IF: 0.952), Taylor & Francis.
- 127.Md. Golam Hafez and **M. Ali Akbar**, An exponential expansion method and its application to the strain wave equation in microstructured solids, *Ain Shams Engr. J.*, **6(2)**: 683-690, 2015. (Indexed: SCOPUS, ISI; SNIP: 0.932), Elsevier.
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- 125.Md. Shafiqul Islam, Kamruzzaman Khan and **M. Ali Akbar**, An analytical method for finding exact solutions of modified Kortewig-de Vries equation, *Results Phys.*, **5**: 131-135, 2015. (Indexed: SCOPUS, ISI; SNIP: 0.781), Elsevier.
- 124.Jesmin Akter and **M. Ali Akbar**, Exact solutions to the Benney-Luke equation and the Phi-4 equations by using modified simple equation method, *Results Phys.*, **5**: 125-130, 2015. (Indexed: SCOPUS, ISI; SNIP: 0.781), Elsevier.
- 123.M. Nur Alam, M. Golam Hafez and **M. Ali Akbar**, Harun-Or-Roshid, Exact solutions to the (2+1)-dimensional Boussinesq equation via  $\exp(-\Phi(\eta))$ -expansion method, *J. Sci. Res.*, **7(3)**: 1-10, 2015.
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- 121.Kamruzzaman Khan and **M. Ali Akbar**, Exact traveling wave solutions of Kadomtsev-Petviashvili equation, *J. Egyptian Math. Soc.*, **23(2)**: 278-281, 2015. Elsevier.
- 120.M. Ashrafuzzaman Khan and **M. Ali Akbar**, Exact and Solitary Wave Solutions to the Generalized Fifth-order KdV Equation by using the Modified Simple Equation Method, *Appl. Comput. Math.*, **4(3)**: 122-129, 2015.
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- 118.Md. Nur Alam and **M. Ali Akbar**, Some new exact traveling wave solutions to the simplified MCH equation and the (1+1)-dimensional combined KdV-mKdV equations, *J. Assoc. Arab Univ. Basic Appl. Sci.*, **17(1)**: 6-13, 2015 (Indexed: SCOPUS; SNIP: 0.385). Elsevier.
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- 116.M. Golam Hafez and **M. Ali Akbar**, New exact traveling wave solutions to the (1+1)-dimensional Klein-Gordon-Zakharov equation for wave propagation in plasma using the  $\exp(-\Phi(\xi))$ -expansion method, *Propulsion and Power Research*, **4(1)**: 31-39, 2015. Elsevier.
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- 114.Md. Alal Hosen, M. S. H. Chowdhury and **M. Ali Akbar**, Solution for a conservative nonlinear singular oscillator in plasma physics using harmonic balance method, *Wulfenia J.*, **22(3)**: 416-424. 2015. (Indexed: ISI; IF: 0.267).
- 113.Md. Golam Hafez, Md. Nur Alam and **M. Ali Akbar**, Traveling wave solutions for some important coupled nonlinear physical models via the coupled Higgs equation and the Maccari system, *J. King Saud Univ.-Science*, **27**: 105-112, 2015. (Indexed: SCOPUS, ISI; SNIP: 0.758). Elsevier.
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- 111.Harun-Or-Roshid, Md. Nur Alam, **M. Ali Akbar** and Rafiqul Islam, Traveling wave solutions of the simplified MCH equation via  $\text{Exp}(-\Phi(\xi))$ -expansion method, *British J. Math. Comput. Sci.*, **5(5)**: 595-605, 2015. DOI: 10.9734/BJMCS/2015/10800.
- 110.S. M. Rayhanul Islam, Kamruzzaman Khan and **M. Ali Akbar**, Study of  $\exp(-\Phi(\xi))$ -expansion method for solving nonlinear partial differential equations, *British J. Math. Comput. Sci.*, **5(3)**: 397-407, 2015. DOI: 10.9734/BJMCS/2015/13387.
- 109.Harun-Or-Roshid, M.F. Hoque and **M. Ali Akbar**, New extended  $(G'/G)$ -expansion method for traveling wave solutions of nonlinear partial differential equations (NPDEs) in mathematical physics, *Italian J. Pure Appl. Math.*, **33**: 175-190, 2014. (Indexed: SCOPUS).
- 108.Kamruzzaman Khan and **M. Ali Akbar**, The  $\exp(-\Phi(\xi))$ -expansion method for finding Traveling Wave Solutions of Vakhnenko-Parkes Equation, *Int. J. Dynamical Systems and Differential Equations*, **5(1)**: 73-83, 2014. (Indexed: SCOPUS), Inderscience Publishers.
- 107.Harun-Or-Roshid, Md. Nur Alam and **M. Ali Akbar**, Traveling and non-traveling wave solutions for foam drainage equation, *Int. J. Appl. Math and Mech.*, **10(11)**: 65-75, 2014.
- 106.Jesmin Akter and **M. Ali Akbar**, Exact traveling wave solutions of two nonlinear evolution equations via the  $\exp(-\varphi(\xi))$ -expansion method, *Global J. Adv. Res.*, **1(2)**: 232-242, 2014.
- 105.M. Golam Hafez, Md. Nur Alam and **M. Ali Akbar**, Application of the  $\exp(-\Phi(\eta))$ -expansion method to find exact solutions for the solitary wave equation in an unmagnetized dusty plasma, *World Appl. Sci. J.*, **32(10)**: 2150-2155, 2014.

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103. Md. Golam Hafez, Md. Nur Alam and **M. Ali Akbar**, Exact traveling wave solutions of the Klein-Gordon equation using the novel  $(G'/G)$ -expansion method, *Results Phys.*, **4**: 177-184, 2014. (Indexed: SCOPUS, ISI; SNIP: 0.781), Elsevier.
102. Md. Shafiqul Islam, Kamruzzaman Khan, **M. Ali Akbar** and Antonio Mastroberardino, A note on improved F-expansion method combined with Riccati equation applied to nonlinear evolution equations, *R. Soc. Open Sci.*, **1**: 140038, 2014. DOI: 10.1098/rsos.140038. (The Royal Society Publishing, UK).
101. Jesmin Akter and **M. Ali Akbar**, The  $\exp(-\varphi(\xi))$ -expansion method for exact solutions to the nonlinear KdV equation and the (2+1) dimensional Zakharov-Kuznetsov (ZK) equations, *Elixir Appl. Math.*, **75**: 27684-27692, 2014.
100. Md. Nur Alam and **M. Ali Akbar**, Traveling wave solutions for the mKdV equation and the Gardner equation by new approach of the generalized  $(G'/G)$ -expansion method, *J. Egyptian Math. Soc.*, **22(3)**: 402-406, 2014. Elsevier.
99. Md. Nur Alam, **M. Ali Akbar**, Kaniz Fatema and Md. Golam Hafez, Exact traveling wave solutions of the (2+1)-dimensional modified Zakharov-Kuznetsov equation via new extended  $(G'/G)$ -expansion method, *Elixir Appl. Math.*, **73**: 26267-26276, 2014.
98. Kamruzzaman Khan, **M. Ali Akbar**, Md. Abdus Salam and Md. Hamidul Islam, A note on enhanced  $(G'/G)$ -expansion method in nonlinear physics, *Ain Shams Engr. J.*, **5(3)**: 877-884, 2014. (Indexed: SCOPUS, ISI; SNIP: 0.932), Elsevier.
97. Md. Nur Alam and **M. Ali Akbar**, The new approach of the generalized  $(G'/G)$ -expansion method for nonlinear evolution equations, *Ain Shams Engr. J.*, **5(2)**: 595-603, 2014. (Indexed: SCOPUS, ISI; SNIP: 0.932), Elsevier.
96. Md. Nur Alam, **M. Ali Akbar** and M. Fazlul Hoque, Exact traveling wave solutions of the (3+1)-dimensional mKdV-ZK equation and the (1+1)-dimensional compound KdVB equations using the new approach of generalized  $(G'/G)$ -expansion method, *Pramana-J. Phys.*, **83(3)**: 317-329, 2014. (Indexed: SCOPUS, ISI; IF: 0.720), Springer.
95. **M. Ali Akbar**, Norhashidah Hj. Mohd. Ali and E. M. E. Zayed, The generalized and improved  $(G'/G)$ -expansion method combined with the Jacobi elliptic equation, *Commun. Theor. Phys.*, **61(6)**: 669-676, 2014. (Indexed: SCOPUS, ISI; IF: 1.049). IOP Science.

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48. **M. Ali Akbar** and Norhashidah Hj. Mohd. Ali, Exact solutions to some nonlinear partial differential equations in mathematical physics via the  $(G'/G)$ -expansion method, *Res. J. Appl. Sci. Eng. Technol.*, **6(19)**: 3527-3535, 2013.

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5. **M. Ali Akbar**, M. Shamsul Alam and M. A. Sattar, A simple technique for obtaining certain over-damped solutions of an  $n$ -th order nonlinear differential equation, *Soochow J. Math.*, **31(2)**: 291-299, 2005.
4. M. Shamsul Alam, **M. Ali Akbar**, and M. Zahurul Islam, A general form of Krylov-Bogoliubov-Mitropolskii method for solving nonlinear partial differential equations, *J. Sound and Vib.*, **285**: 173-185, 2005. (Indexed: SCOPUS, ISI; IF: 1.857), Elsevier.
3. M. Shamsul Alam, M. B. Hossain and **M. Ali Akbar**, On a special condition of over-damped nonlinear systems with slowly varying coefficients, *J. Interdis. Math.*, **7**: 255-260, 2004. (Indexed: SCOPUS). Taylor & Francis
2. **M. Ali Akbar**, M. Shamsul Alam and M. A. Sattar, Asymptotic method for fourth order damped nonlinear systems, *GANIT: J. Bangladesh Math. Soc.*, **23**: 41-49, 2003.
1. **M. Ali Akbar**, A. C. Paul and M. A. Sattar An asymptotic method of Krylov-Bogoliubov for fourth order over-damped nonlinear systems, *GANIT: J. Bangladesh Math. Soc.*, **22**: 83-96, 2002.

## 8. Conferences:

- i) Fourteenth International Mathematical Conference, Bangladesh Mathematical Society, Dec. 27-29, 2003.
- ii) Fifteenth International Mathematical Conference, Bangladesh Mathematical Society, Dec. 29-31, 2007.
- iii) International Conference on Frontier Mathematics and its Application, Burdwan University, India, Jan. 16-18, 2008.
- iv) National Conference on Mathematics and its Application, Khulna University, Bangladesh, February 28, 2013.

## 9. PhD. Thesis Supervision:

- (i) **Md. Ashrafuzzaman Khan**, Roll No.: 12208, Session 2012-2013. Thesis title: Solitary Wave Solutions of NLEEs in Plasma Physics and Engineering, 2015. (Awarded).
- (ii) **Hasibun Naher**, New traveling wave solutions of some nonlinear partial differential equations via extension of  $(G'/G)$ -expansion method, 2014. (USM Malaysia, Field Supervisor). (Awarded).

## 10. M. Phil. Thesis Supervision:

- (i) **B. M. Ikramul Hoque**, Student No.: 0151504, Session 2003-2004. Thesis title: On Some Asymptotic Solutions of Fourth Order Critically Damped Nonlinear Systems, 2008. (Awarded).

- (ii) **Kamruzzaman Khan**, Registration No.: 10032001, Session 2012-2013. Thesis title: Study of Analytical Methods to Find Exact Solutions of Nonlinear Evolutions in Mathematical Physics, March 24, 2015. (Awarded)
- (iii) **Md. Nur Alam**, Registration No.: 10032002, Session 2012-2013. Thesis title: Novel  $(G'/G)$ -expansion Method and Its Application for Solving Nonlinear Evolution Equations in Mathematical Physics, March 24, 2015. (Awarded)

### 11. M. Sc. Thesis Supervision:

- (i) Mo. Rokibul Islam, Student No.-041201, Session 2003-2004. *Thesis Title: On Asymptotic Solutions of Critically Damped Nonlinear Systems*, Completed.
- (ii) Zasmin Haque, Student No.-041209, Session 2003-2004. *Thesis Title: On Approximate Solutions of Over Damped Nonlinear Systems*, Completed.
- (iii) Sk. Tanzer Ahmed Siddique, Student No.-03114233, Session 2006-2007. *Thesis title: On Analytical Approximate Solutions of Fifth Order Nonlinear Differential equations*, Completed.
- (iv) Nayan Kumer, Student No.-04114151, Session 2007-2008. *Thesis title: KBM Asymptotic Method for Biological Systems*, Completed.

### 12. B. Sc. (Hons.) Project Thesis Supervision:

- i). Anup Kumer Datta, Student No.-021220 and Md. Eliyas Karim, Student No.-021232, Session 2004-2005. Project Title: **On Asymptotic Solutions of Fourth Order-Over Damped Nonlinear Systems**, Completed.

### 13. Editors:

- i). **Editor in Chief:** Asian Journal of Algebra. **(From 15-05-2105 to till date)**
- ii). **Editor in Chief:** International Journal of Current Engineering Sciences (From 01-03-2103 to 28-02-2015)
- iii). Editor: IOSR-Journal of Mathematics (IOSR-JM)
- iv). Editor: Science International (Scopus)
- v). Editor: Pure and Applied Mathematics Journal
- vi). Editor: American Journal of Applied Mathematics
- vii). Editor: Applied and Computational Mathematics
- viii). Editor: Mathematics Letters
- ix). Editor: Fluid Mechanics
- x). Editor: Mathematical Modelling in Engineering Applications
- xi). International Journal of Physical and Mathematical Sciences (Section Editor)

- xii). Editor: International Journal of Research in Science & Technology
- xiii). Editor: International Journal of Basic & Applied Sciences (IJBAS)
- xiv). Editor: International Journal of Computing, Communication and Networking Research (IJCCNet)
- xv). Editor: International Journal of Modern Mathematical Sciences (IJMMS)
- xvi). Editor: Journal of Applied and Industrial Sciences (JAIS)
- xvii). Asian Transactions on Science & Technology (ATST)
- xviii). International Science & Research Journals (ISRJ)
- xix). Editor: International Journal of Advance Industrial Engineering (IJAIE)
- xx). Editor: International Journal of Innovation Research (IJIR)
- xxi). Editor: International Journal of Mathematics and Computational Methods in Science & Technology (MCMST)
- xxii). Editor: International Journal of Agriculture Innovations and Research (IJAIR)
- xxiii). Editor: International Research Journal of Applied and Basic Sciences (IRJABS)
- xxiv). Editor: International Journal of Innovation in Sciences and Mathematics (IJISM)
- xxv). Editor: Applied Science Reports (ASR)
- xxvi). Associate Editor: Research Journal of Mathematics and Statistics (RJMS)
- xxvii). Regional Editor: Journal of Applied Sciences (ISI)
- xxviii). Regional Editor: Asian Journal of Scientific Research (Scopus)
- xxix). Regional Editor: Asian Journal of Applied Sciences
- xxx). Regional Editor: Asian Journal of Algebra
- xxxi). Regional Editor: Asian Journal of Mathematics and Statistics
- xxxii). Editor: Journal of Chemical and Physical Sciences
- xxxiii). Guest editor: Journal of Computer Science and Computational Mathematics (JCSCM)

#### **14. Reviewers:**

- i). Computer and Mathematics with Applications (Elsevier)
- ii). Chemical Engineering Science (Elsevier)
- iii). Chinese Physics Letters (IOP Science)
- iv). Chinese Physics B (IOP Science)
- v). Acta Physica Sinica (IOP Science)
- vi). Ocean Engineering (Elsevier)



- vii). PLOS ONE (Public Library of Science)
- viii). Neural Computing & Applications (Springer)
- ix). Acta Physica Polonica A (Polish Academy of Sciences)
- x). International Journal of Numerical Method for Heat & Fluid Flow (Emerald)
- xi). National Academy Science Letters (Springer)
- xii). Electrical Engineering (Springer)
- xiii). Cogent Mathematics (Taylor and Francis)
- xiv). International Journal of Applied and Computational Mathematics (Springer)
- xv). Journal of King Saud University-Science (Elsevier)
- xvi). SpringerPlus (Springer)
- xvii). Kuwait Journal of Science (ISI)
- xviii). Results in Physics (Elsevier)
- xix). Journal of the Egyptian Mathematical Society (Elsevier)
- xx). Mathematical Problems in Engineering (Hindawi Publishing Corporation)
- xxi). Abstract and Applied Analysis (Hindawi Publishing Corporation)
- xxii). Journal of Applied Mathematics (Hindawi Publishing Corporation)
- xxiii). Bulletin of Malaysian Mathematical Sciences Society (ISI)
- xxiv). Journal of the Association of Arab Universities for Basic and Applied Sciences (Elsevier)
- xxv). Journal of Taibah University for Science (Elsevier)
- xxvi). Egyptian Journal of Basic and Applied Sciences (Elsevier)
- xxvii). Mathematical Science Letter (Natural Sciences Publishing)
- xxviii). Propulsion and Power Research (Elsevier)
- xxix). World Journal of Modelling and Simulations
- xxx). International Journal of Dynamical Systems and Differential Equations (Inderscience Publishers)
- xxxi). International Conference of Numerical Analysis and Applied Mathematics (ICNAAM) -2012. (ISI)
- xxxii). Journal of Applied Sciences (ISI, Scopus)
- xxxiii). Mathematical and Computational Applications (ISI)
- xxxiv). American Journal of Applied Sciences (Scopus)
- xxxv). Walailak Journal of Science and Technology (Scopus)
- xxxvi). Italian Journal of Pure and Applied Mathematics (Scopus)

- xxxvii). World Applied Sciences Journal
- xxxviii). International Journal of Nonlinear Sciences (IJNS)
- xxxix). International Journal of Applied Mathematics and Computation
  - xl). International Journal of Modern Mathematical Sciences (Modern Scientific Press)
  - xli). Applications and Applied Mathematics: An International Journal
  - xl ii). International Journal of the Physical Sciences.
  - xl iii). Journal of Physical Sciences
  - xl iv). Physical Review & Research International
  - xl v). Scientific Research and Essays
  - xl vi). British Journal of Mathematics and Computer Science (BJMCS)
  - xl vii). Journal of Mathematics Research
  - xl viii). African Journal of Mathematics and Computer Science Research
  - xl ix). Journal of Applied and Industrial Sciences-JAIS
    - l). International Journal of Advance Industrial Engineering (IJAIE)
    - li). Journal of Computer Science & Computational Mathematics (ICSCM)
    - lii). NED University Journal of Research

## 15. Memberships:

- i). Life Member of **Calcutta Mathematical Society**, West Bengal, India: Membership Number F/6
- ii). Life Member of **Bangladesh Mathematical Society**: Membership Number 280
- iii). Life Member of **IAENG**: Membership Number 65183 (Hong Kong)
- iv). Member of the IAENG Society of Bioinformatics
- v). Member of the IAENG Society of Computer Science
- vi). Member of the IAENG Society of HIV/AIDS
- vii). Member of the IAENG Society of Industrial Engineering
- viii). Member of the IAENG Society of Operations Research
- ix). Member of the IAENG Society of Scientific Computing
- x). Life Member of IJENS Researchers Promotion Group (IJENS-RPG): Membership Number IJENS-1085-Ali
- xi). Senior Member: Asian Business Consortium (A professional organization)

## 16. Computer Skills:

- C++
- FORTRAN
- MAPLE
- MATHEMATICA
- MS Word, MS excel, Power Point.

### **17. Languages:**

- Writing and speaking (fluently): English and Bengali.
- Bahasa Malaysia: Can understand and can speak a little bit.



(Dr. M. Ali Akbar)