Curriculum Vitae

DR. BALARAM DAS

(M.Sc; Ph.D)
Govt. approved Part Time Teacher (PTT)
Head, Department of Physiology
Ramnagar College, Depal, Purba Medinipur.
Guest Faculty, Midnapore City College, Midnapore
Guest Faculty, Raja N. L Khan Women's College
Visiting Faculty, University of Gour Banga, Malda
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Mobile No: +91 9564913059

***Personal Information*:**

Fathers Name: Dr. Bhanubhusan Das

Mothers Name: Smt. Laxmi Rani Das

Date of birth	: 17th March, 1988
Nationality	: Indian
Cast	: General
Marital status	: Single
Languages known	: Bengali, English, Hindi

***Address of Residence*:**

Village: Barkamal, Post Office: Chandkuri,
P. S.: Sabang, Dist.: Paschim Midnapore – 721467,
West Bengal, India.

Address of Communication:

Department of Physiology
Ramnagar College, Depal, Purba Medinipur,
West Bengal, India, PIN- 721453
E-mail: **bdas.vu@gmail.com**
Mobile No: +91 9564913059

Current position:

Govt. approved Part Time Teacher (PTT), Department of Physiology, Ramnagar College, Depal, Purba Medinipur.

Educational qualification:

- **Ph. D. degree** in Physiology under the faculty of Science in accordance with the provisions of the Ph. D. regulation, 2009 of the UGC, Govt. of India from

Department of Human Physiology with Community Health, Vidyasagar University, Paschim Medinipur – 721102, West Bengal, India on 25.06.2018.

- **Ph. D. Course Work**: Completed Ph. D. course work (in Physiology) in six months duration in accordance with UGC regulations, 2009 from Vidyasagar University, Paschim Medinipur – 721102, West Bengal, India.

- **Master of Science (M. Sc.)** in Human Physiology (Special paper: Microbiology and Immunology) with in the year of 2010, from Vidyasagar University, Midnapore, Paschim Medinipur – 721 102, West Bengal, India.

- **Bachelor of Science (B. Sc.) (Hon's) in Physiology** in the year of 2008**,** from Panskura Banamali College, (Affiliated by Vidyasagar University), Midnapore, Paschim Medinipur – 721 101, West Bengal, India.

- **Higher secondary (10+2 class)** in science in the year of 2005, from West Bengal Council of Higher Secondary Education (W.B.C.H.S.E.), West Bengal, India.

- **Secondary (10th class)** education in the year of 2003, from West Bengal Board of Secondary Education (W.B.B.S.E.), West Bengal, India.

Research fields of interest:

- Bacterial immunotherapy.
- Nanotechnology based drug delivery and therapy against drug resistant superbugs (in vivo, in vitro)
- Toxicology and study on oxidative stress and antioxidant status
- Formulation of biocompatible nanostructures for therapeutic application in various diseases model.
- Nutritional anthropometry and field survey based assessment of health status of rural communities.

Research Experience:

Category	Title / Description	Duration (years)
Research Fellow	At Department of Human Physiology and Community Health, Vidyasagar University, Midnapore, West Bengal, India,	From 1st December 2010 to 13th May 2014
Ph.D Thesis	Study on the effect of drug conjugated green synthesized silver nanoparticles against multi drug resistant bacteria	13-05-2014 (registration) to 25-06-2018 (awarded) Total : **4 years 1 months**
Research work, guidance for B.Sc projects	At the Department of Nutrition, Ramnagar College	From, 19th August 2010 to till date

Teaching Experience:

UG Physiology: More than Eight years of teaching experience in the Department of Physiology and Dept. of Nutrition at Ramnagar College (Since 19th Auguest 2010), Depal, Purba Medinipur, West Bengal.

PG Physiology: More than One (1) years of teaching experience in the Department of Physiology, Raja NL Khan Women's College, Midnapore (till date).

PG Food Science and Nutrition, Nutrition and Dietetics, MMLT and BMLT: More than One (1) years of teaching experience in the Department of Biological Science, Midnapore City College, Midnapore (till date).

Total years of Research and Teaching Experience:

- **Research:** Eight (8) years (including Ph.D)
- **Teaching:** Eight (8) years and four (04) months

Publications (Up to December, 2018)

- Total Number of articles: **26 (International – 24; National - 02)**
- Total impact: **63.247**
- Average impact factor per paper: **2.433**
- Total citation (Google scholar): **317**
- h-index (Google scholar): **10**
- i10-Index (Google scholar): **10**

Publications:

I. International

1. **Das B,** Dash SK, Mandal D, Gosh T, Chattopadhyay S, Tripathy S, Das S, Dey SK, Das D, Roy S. Green synthesized silver nanoparticles destroy multidrug resistant bacteria Oxygen Species mediated membrane damage. *Arabian Journal of Chemistry*. 2017; 10(6): 862-876 (**IF: 2.96**)

2. **Das B,** Mandal D, Dash SK, Chattopadhyay S, Tripathy S, Dolai DP, Dey SK, Roy S. Eugenol Provokes ROS-Mediated Membrane Damage-Associated Antibacterial Activity against Clinically Isolated Multidrug-Resistant *Staphylococcus aureus* Strains. *Infectious diseases*. 2016; 9: 11.

3. **Das B,** Tripathy S, Adhikary J, Chattopadhyay S, Mandal D, Dash SK, Das S, Dey A, Dey SK, Das D, Roy S. Surface modification minimizes the toxicity of silver nanoparticles: an *in vitro* and *in vivo* study. *J Biol Inorg Chem*. 2017; 22(6): 893–918. (**IF: 2.95**)

4. Ray Chowdhuri A, **Das B**, Kumar A, Tripathy S, Roy S, Sahu SK. One-pot synthesis of multifunctional nanoscale metal-organic frameworks as an effective antibacterial agent against multidrug-resistant Staphylococcus aureus. *Nanotechnology*. 2017; 28 (9): 095102. (**IF: 3.404**)

5. Adhikary J, **Das B**, Chatterjee S, Dash SK, Chattopadhyay S, Roy S, Chattopadhyay T. Ag/CuO nanoparticles prepared from a novel trinuclear compound [Cu (Imdz) 4 (Ag (CN) 2) 2](Imdz= imidazole) by a pyrolysis

display excellent antimicrobial activity. *Journal of Molecular Structure*. 2016; 1113: 9-17. (**IF: 2.011**)

6. Roy I, **Das B**, Mollick MMR, Basu A, Dey A, Dash SK, Roy S, Chattopadhyay D. Nanotherapy on human acute myeloid leukemia cells using RGO/Ag nanocomposites. *RSC Adv*. 2016; 6: 52403 (**IF: 2.936**)

7. Adhikary J, Chakraborty P, **Das B**, Datta A, Dash SK, Roy S, Chen JW, Chattopadhyay T. Preparation and characterization of ferromagnetic nickel oxide nanoparticles from three different precursors:application in drug delivery. *RSC Advances.* 2015; **5**: 35917-35928. (**IF: 2.936**)

8. Chowdhuri, AR, Tripathy S, Haldar C, Chandra S, **Das B**, Roy S, Sahu SK. Theoretical and experimental study of folic acid conjugated silver nanoparticles through electrostatic interaction for enhance antibacterial activity. *RSC Advances*, 2015; *5*(28), 21515-21524. (**IF: 2.936**)

9. Dash SK, Chattopadhyay S, Tripathy S, Dash SS, **Das B**, Mandal D, Kar Mahapatra S, Bag BG, Roy S. Self-assembled betulinic acid augments immunomodulatory activity associates with IgG response. *Biomed Pharmacother*. 2015; 75:205-17. (**IF: 3.457**)

10. Das S, Tripathy S, Chattopadhayay S**, Das B**, Kar Mahapatra S, Hati AK, Roy S. Progressive increase in point mutations associates chloroquine resistance: Even after withdrawal of chloroquine use in India. *International Journal for Parasitology: Drugs and Drug Resistance.* 2017; 7(3), 251-261. (**IF: 3.030**)

11. Dash SK, Chattopadhyay S, Ghosh T, Dash SS, Tripathy S, **Das B** *et al*. Self-assembled betulinic acid protects doxorubicin induced apoptosis followed by reduction of ROS-TNF-α-Caspase 3 activity. *Biomed Pharmacother*. 2015b; 72: 144–157. (**IF: 3.457**)

12. Dash SK, Chattopadhyay S, Tripathy S, Dash SS, **Das B**, Mandal D *et al*. Betulinic acid, a natural bio-active compound: proficient to induce programmed cell death in human myeloid leukemia. *World J Pharmacy Pharmaceutics. Sci*. 2014b; 3: 1348-1374.

13. Mandal D, Dash SK, **Das B**, Chattopadhyay S, Ghosh T, Das D, Roy S. Bio-fabricated silver nanoparticles preferentially targets Gram positive depending on cell surface charge. *Biomed. Pharmacother*. 2016; 83: 548-558. (**IF: 3.457**)

14. Dash SK, Chattopadhyay S, Dash SS, Tripathy S, **Das B**, Kar Mahapatra S, Bag BG, Karmakar P, Roy S. Self assembled nano fibers of betulinic acid: A selective inducer for ROS/TNF-alpha pathway mediated leukemic cell death. *Bioorganic Chemistry*. 2015; 63:85-100. **(IF:3.929)**

15. Mandal D, Dash SK, **Das B**, Sengupta M, Kundu PK, Roy S. Isolation and characterization of multi-drug resistance *Proteus vulgaris* from clinical samples of uti infected patients from Midnapore, West Bengal. *International journal of Life Science and Pharma Research.*2015; 5(2):L32-L45.

16. Chattopadhyay S, Dash SK, Tripathy S, **Das B**, Mondal D, Pramanik P, Roy S. Toxicity of cobalt oxide nanoparticles to normal cells; an in vitro and in vivo study. *Chemico Biological Interaction*. 2015; 226; 58-71. (**IF: 3.296**)

17. Chattopadhyay S, Dash SK, Tripathy S, **Das B**, Kar-Mahapatra S, Pramanik P, Roy S Cobalt oxide nanoparticles induced oxidative stress linked to activation of TNF-α/caspase-8/p38-MAPK signaling in human leukemia cells. *Journal of Applied Toxicology*. 2015; 35; 603-13. (**IF: 2.909**)

18. Maity D, Pattanayak S, Mollick MMR, Rana D, Mondal D, Bhowmick B, **Das B**, Mandal D, Roy S, Chattopadhyay D. Green one step morphosynthesis of silver nanoparticles and their antibacterial and anticancerous activities. *New Journal of Chemistry*. 2015; 40 (3): 2749-2762. (**IF: 3.201**)

19. Chattopadhyay S, Dash SK, Kar Mahapatra S, Tripathy S, Ghosh T, **Das B**, Das D, Pramanik P, Roy S. Chitosan-modified cobalt oxide nanoparticles stimulate TNF-α-mediated apoptosis in human leukemic cells. *Journal of Biological Inorganic Chemistry*. 2014; 19: 399-414. (**IF: 2.95**)

20. Das S, Kar Mahapatra S, Tripathy S, Chattopadhyay S, Dash SK, Mandal D, **Das B**, Hati AK, Roy S. Double mutation in the pfmdr1 gene is associated

with emergence of chloroquine-resistant Plasmodium falciparum malaria in Eastern India. *Antimicrobial agents and chemotherapy*. 2014; 58 (10): 5909-5915. (**IF: 4.476**)

21. Chattopadhyay S, Dash SK, Mandal D, **Das B**, Tripathy S, Dey A, Pramanik P, Roy S. Metal based nanoparticles as cancer antigen delivery vehicles for macrophage based antitumor vaccine. *Vaccine*. 2016; 34 (7): 957-967. (**IF: 3.285**)

22. Dey SK, Dolai DP, Dash SK, Mandal D, **Das B**, Roy S. Sodium Selenite Attenuates Chromium-Induced Membrane Damage. *Eur J Health Sci*. 2016; 2 (3): 89-97.

23. Chandra S, Mahto TK, Ray Chowdhuri A, Das B, Sahu SK, One step synthesis of functionalized carbon dots for the ultrasensitive detection of *Escherichia coli* and Iron (III). *Sensors and Actuators B: Chemical*, 2017, 245, 835-844. (**IF: 5.667**)

24. Dey SK, Dolai DP, Mandal D, **Das B**, Dash SK, Roy D and Roy S. Protective effect of Andrographis paniculata Nees and Vitamin-C in nicotine-induced oxidative stress in liver and kidney. *World J Pharm Sci*. 2016; 4(9): 345-352

II. National

1. Dey S, Dolai DP, Mandal D, **Das B**, Dash SK, Roy S. Sodium selenite attenuates nicotine-induced oxidative stress in rat. *World Journal of Pharmaceutical Research*. 2016; (5):1022-1036.

2. **Das B,** Dash SK, Mandal D, Adhikary J, Chattopadhyay S, Tripathy S, Dey A, Manna S, Dey SK, Das D, Roy S. Green synthesized silver nanoparticles kill virulent multidrug-resistant *Pseudomonas aeruginosa* strains: A mechanistic study. *BLDE Univ J Health Sci*. 2016; 1: 89-101.

GenBank Submission :

1. Das,S., Tripathy,S., Chattopadhayay,S., Dash,S.K., Mandal,D., **Das,B**., Kar Mahapatra,S., Hati,A.K. and Roy,S. Plasmodium falciparum voucher PFR-36-

2008 P-glycoprotein-like protein (mdr1) gene, partial cds. Accession KM056977.

2. Das,S., Mahapatra,S.K., Tripathy,S., Chattopadhyay,S., Dash,S.K., Mandal,D., **Das,B**., Hati,A.K. and Roy,S. Plasmodium falciparum voucher PFR-76-2008 P-glycoprotein-like protein (mdr1) gene, partial cds. Accession: KM056978.

3. Das,S., Mahapatra,S.K., Tripathy,S., Chattopadhyay,S., Dash,S.K., Mandal,D., **Das,B**., Hati,A.K. and Roy,S. Plasmodium falciparum voucher PFR-94-2008 P-glycoprotein-like protein (mdr1) gene, partial cds. Accession: KM056979

4. Das,S., Tripathy,S., Dash,S.K., Chattopadhyay,S., Mandal,D., **Das,B.,** Kar Mahapatra,S. and Hati,A.K. Plasmodium falciparum voucher PFR-131-2008 P-glycoprotein-like protein (mdr1) gene, partial cds. Accession: KM056980

5. Das,S., Tripathy,S., Dash,S.K., Chattopadhyay,S., **Das,B.,** Mandal,D., Hati,A.K. and Roy,S. Plasmodium falciparum voucher SR-pf-crt-15 CRT protein (crt) gene, partial cds. Accession: KM188435.

6. Das,S., Tripathy,S., Chattopadhayay,S., Dash,S.K., **Das,B.,** Kar Mahapatra,S., Hati,A.K. and Roy,S. Plasmodium falciparum voucher SR-pf-crt-4 CRT protein (crt) gene, partial cds. Accession: KM188436.

7. Das,S., Tripathy,S., Dash,S.K., Chattopadhyay,S., **Das,B.,** Mandal,D., Kar Mahapatra,S., Hati,A.K. and Roy,S. Plasmodium falciparum voucher SR-pf-crt-20 CRT protein (crt) gene,partial cds. Accession: KM188437.

8. Das,S., Tripathy,S., Dash,S.K., Chattopadhyay,S., **Das,B.,** Das,D., Kar Mahapatra,S., Hati,A.K. and Roy,S. Plasmodium falciparum voucher SR-pf-crt-25 CRT protein (crt) gene, partial cds. Accession: KM188438

Papers presented in Conference/Seminar (International)

1. Das, B., Mandal, D, **Dash, S.K.**, Tripathy, S., Roy, S. "**Copper oxide nanoparticles conjugated ciprofloxacin: a new era to combat bacterial resistance.**" In: 11th ISE Annual International Conference on **"**Ergonomics and Human Factors", organized by Department of Human Physiology with Community Health, Vidyasagar University at Midnapore- 721102, West Bengal, India, on 4th-5th December, 2013.

2. Mandal D, Dash SK, **Das B,** Ghosh T, Das D, Roy S. **Antimicrobial activity of Calcium and Cobalt Oxide Nanoparticlesagainst Clinically Isolated Multi Drug Resistant *Proteus mirabilis* and *Enterococcus faecium* strains.** In: 11th ISE Annual International Conference on **"**Ergonomics and Human Factors", organized by Department of Human Physiology with Community Health, Vidyasagar University at Midnapore- 721102, West Bengal, India, on 4th-5th December, 2013.

3. Dash SK, Chattopadhyay S, Ghosh T, Tripathy S, **Das B,** Das D. Roy S. **Poly ethylene glycol protected and folate decorated zinc oxide nanoparticles: A bio-compatable nano missile for doxorubicin delivery.** In: 11th ISE Annual International Conference on **"**Ergonomics and Human Factors", organized by Department of Human Physiology with Community Health, Vidyasagar University at Midnapore- 721102, West Bengal, India, on 4th-5th December, 2013.

Paper Presented in Seminar/ Conference etc: (National)

1. **Das B. Surface functionalized silver nanoparticles augment macrophage activation followed by intracellular killing of pathogenic bacteria.** In: UGC-sponsored national seminar on "**Health Risks of Processed Food**" Organized by Dept. of Physiology, Chemistry and Nutrition, Ramnagar College, Depal, Purba Medinipur, West Bengal, India, on 9th March, 2018.

2. **Das B,** Roy S. **Surface modification minimizes the toxicity of silver nanoparticles: An in vitro and in vivo study**. In: UGC-sponsored national seminar on "Perspectives of Human Health, Microbial Biotechnology & Innovation" Organized by Dept. of Human Physiology with Community Health and Dept. of Microbiology, Vidyasagar University, Midnapore-721102, West Bengal, India, on 27th-29th March, 2018.

3. **Das B,** Tripathy S, Dash SK, Mandal D, Roy S. **Surface modification minimizes the toxicity of silver nanoparticles and its antimicrobial activity : An in vitro and in vivo study**. In: 104th Indian Science Congress; Section of Medical Sciences (Including Physiology); Organized by SV University, Tirupati on 3rd – 7th January 2017.

4. Tripathy S, Dash SK, **Das B,** Mandal D, Roy S. **Nanochloroquine Delivery protects hepatic damage from Plasmodium berghei infection in Swiss mice**. In: 104th Indian Science Congress; Section of Medical Sciences (Including Physiology); Organized by SV University, Tirupati on 3rd – 7th January 2017.

5. Dash SK, **Das B,** Ghosh T, Tripathy S, Dey A, Roy S. **Folic acid conjugated ultra-fine zinc oxide nanoparticles: A promising weapon for anti-leukemic therapy**. In: 104th Indian Science Congress; Section of Medical Sciences (Including Physiology); Organized by SV University, Tirupati on 3rd – 7th January 2017.

6. **Das B,** Mandal D, Dash SK, Chattopadhyay S, Tripathy S, Dey A, Manna S, Dolai DP, Dey SK, Roy S. **Green synthesized silver nanoparticles successfully kill milti drug resistance and virul;ant Pseudomonas aeruginosa strains through reactive oxygen species induced membrane damage.** In: National Conference on Trends of Physiological research from Laboratory to Community, Organized by Vidyasagar University, Midnapore, West Bengal, India on 30 th – 31st March 2016.

7. Mandal D, **Das B,** Dash SK, Chattopadhyay S, Das S, Roy S. **Combined**

Efficacy of Green Synthesized Silver Nanoparticles and Different Antibiotics against Multidrug Resistant *Proteus vulgaris* and *Enterococcus faecalis*. In: National Conference on Trends of Physiological research from Laboratory to Community, Organized by Vidyasagar University, Midnapore, West Bengal, India on 30 th – 31st March 2016.

8. **Das B,** Dash SK, Ghosh T, Chattopadhyay S, Mandal D, Tripathy S, Das D, Roy S. **Effect of Green Synthesized Silver Nanoparticles on Multi Drug Resistant Bacteria.** In: National Conference on Current Trends of research in Human Physiology and Community Health, Organized by Vidyasagar University, Midnapore, West Bengal, India on 27 th March 2015.

9. Mandal D, **Das B,** Dash SK, Ghosh T, Roy S. **Effect of Green Synthesized Nanoparticles against Multi Drug Resistant *Enterococcus faecalis* and *Proteus vulgaris*.** In: National Conference on Current Trends of research in Human Physiology and Community Health, Organized by Vidyasagar University, Midnapore, West Bengal, India on 27 th March 2015.

10. **Das B,** Dash SK, Tripathy S, Chattopadhyay S, Adhikary J, Mandal D, Dey A, Dey SK, Roy S. **Comparative antibacterial efficacy and toxicity of green and chemically synthesized silver nanoparticles.** In: National Conference on Integrated Approaches for Promotion and Development of of Herbal Medicine. Organized by Society for Ethnopharmacology, India. Jadavpur, Kolkata, India on 5 th -- 6th December 2015.

11. **Das B,** Manna S, Mandal D, Dash SK, Chattopadhyay S, Tripathy S, Dolai DP, Dey SK, Roy S. **Eugenol potentiate bacterial membrane damage associated antibacterialactivity through ROS generation in Clinically isolated multi drug resistant *Staphylococcus aureus* strains.** In: National Convention on Integrated Approaches for Promotion and Development of of Herbal Medicine. Organized by Society for Ethnopharmacology, India. Jadavpur, Kolkata, India on 5 th -- 6th December 2015.

12. **Das B,** Mandal D, Roy S. **Biochemical characterization and antibiotic**

susceptibility pattern of isolated pathogenic Pseudomonas aeruginosa strains from urine sample of UTI patients. In: 101st Indian Science Congress; Section of Medical Sciences (Including Physiology); Organized by University of Jammu, Jammu, J&K, India on 3rd – 7th February 2014.

13. **Das B,** Mandal D, Roy S. **Isolation and Identification of Pseudomonas aeruginosa from urinary tract infection patients**. In: National Conference on Research methodology in higher education, Organized by Vidyasagar University Research Scholars' Association, Vidyasagar University, Midnapore, West Bengal, India on 19 th March 2013.

14. Tripathy S, Das S, Dash SK, Chattopadhyay S, Mandal D, **Das B,** Pramanik P, Roy S. **Immunemodulatory Role of Chitosan-tripolyphosphate Conjugated Nanochloroquine**. In: National Conference on Research methodology in higher education, Organized by Vidyasagar University Research Scholars' Association, Vidyasagar University, Midnapore, West Bengal, India on 19 th March 2013.

15. **Das B**, Chakraborty SP, Roy S. in vitro Antimicrobial activity of Andrographis peniculata Nees against multi-drug resistant *Staphylococcus aureus* and *Escherichia coli*. In: 100th Indian Science Congress; Section of Medical Sciences (Including Physiology); Organized by University of Calcutta, Kolkata, WestBengal on 3rd – 7th January 2013.

16. **Das B**, Chakraborty SP, Roy S. in vitro Antimicrobial activity of Andrographis peniculata Nees against multi-drug resistant *Staphylococcus aureus* and *Escherichia coli*. In: 100th Indian Science Congress; Section of Medical Sciences (Including Physiology); Organized by University of Calcutta, Kolkata, WestBengal on 3rd – 7th January 2013.

17. Paper presentation in the UGC sponsored National Seminar on **"Emerging Issues in Physiology and Allied Sciences"** Organized by Department of Human Physiology with Community Health, Vidyasagar University, West Bengal on 26th March 2010.

Participated in International and National conference/Seminar

1. Participation in the National Symposium on "**Emerging Perspectives-Zoological Research**" organized by Department of Zoology, Vidyasagr University. February, 2010

2. Participation in the UGC sponsored National Seminar on **"Current Trends of Researches in Health and Diseases"** Organized by Department of Human Physiology with Community Health, Vidyasagar University, West Bengal on 30th-31st March 2009.

3. Participated in National Seminar on **"Research Methodology in Higher Education"** Organized by Vidyasagar University Research Scholars' Association, Vidyasagar University, Midnapore, West Bengal on 19th March, 2013.

4. Participation in a special lecture on **"Next Generation DNA Sequencing: An Advance Technology"**, organized by Roche company and Vidyasagar University Research Scholar Association (VURSA), Vidyasagar University at Midnapore- 721102, West Bengal, India, on 26th November, 2012.

Community Activities:

1. Acted as an **organizing Secretary** in UGC-sponsored national seminar on "**Health Risks of Processed Food**" Organized by Dept. of Physiology, Chemistry and Nutrition, Ramnagar College, Depal, Purba Medinipur, West Bengal, India, on 9th March, 2018.

2. Acted as a organizing member of the UGC-sponsored national seminar on **"Perspectives of Human Health, Microbial Biotechnology & Innovation"** Organized by Dept. of Human Physiology with Community Health and Dept. of Microbiology, Vidyasagar University, Midnapore- 721102, West Bengal, India, on 27th-29th March, 2018.

3. Acted as a organizing member of the national seminar on ""**"Trends of Physiological Research from Laboratory to Community",** Organized by Dept. of Human Physiology with Community Health, Vidyasagar University, Midnapore- 721102, West Bengal, India, on 30th-31st March, 2016.

4. Acted as an organizing member of the national seminar on "**Current trends of research in Human Physiology and Community Health**"; Organized by Dept. of Human Physiology with Community Health, Vidyasagar University, Midnapore- 721102, West Bengal, India, on 27th March, 2015.

5. Acted as an organizing member of the "**Voluntary blood donation with Thalassemia Test camp**", Organized by Vidyasagar University Research Scholars' Association, Vidyasagar University, Midnapore, West Bengal on 19th February, 2014.

6. Acted as an organizing member of the national seminar on ""**Research Methodology in Higher Education",** Organized by Vidyasagar University Research Scholars' Association, Vidyasagar University, Midnapore, West Bengal on 19th March, 2013.

Positions in Academic and Administrative Bodies:

1. **Head of the Dept:** Serve as Head of the Department in the Dept. of Physiology since 31st March 2017.
2. **Member:** Ramnagar College Women:s Hostel committee.
3. **Examiner:** PG Physiology (Theory and Practical), Department of Physiology, Midnapore City College and Raja NL Khan Women's College, Midnapore College (Autonomous), Midnapore.
4. **Examiner:** UG Physiology (Theory and Practical), Vidyasagar University,
5. **Examiner:** UG Nutrition (AOC), Netaji Subhas Open University, Kolkata.
6. **Examiner and scrutinizer**: Physiology (Gen), Vidyasagar University, Midnapore – 721102.
7. **Paper setter**: PG Nutrition and Dietetics, Food Science and Nutrition (Theory and Practical), Department of Biological Science, Midnapore City College, Midnapore.
8. **Paper setter and scrutinizer**: PG Physiology (Theory), Department of Physiology

(PG Section), Raja N.L Khan Women's College, Midnapore.

Computer Skill:

Windows 98, 2000, XP, Windows7, Microsoft Office, Adobe Photoshop, Image J, Origin 6.0, Cell quest pro, GraphPad, Statistica, Software Installation, Internet surfing, Programming language BASIC.

MEMBERSHIP:

1. Life member of Indian Science Congress Association (Membership No: L18072)

Statement: I certify that the information provided in this Curriculum Vita is accurate to the best of my knowledge.

Date: ***28th January, 2019*** **(DR. BALARAM DAS)**