

CURRICULUM VITAE

Dr. Satyajit Tripathy

M. Sc., Ph. D.

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Current Position:

Post Doctoral fellow
Department of Pharmacology and Physiology
University of the Free State
Bloemfontein 9300, SA

Research fields of interest

- ❖ Cellular function and immunological alteration during host-microbes interactions & epidemiological study.
- ❖ Nanotechnology based drug delivery against microbes and cancer (in vivo, in vitro)
- ❖ Molecular surveillance of drug resistant malaria parasite: a major health problem in India
- ❖ Toxicology and study on oxidative stress and antioxidant status
- ❖ Immunology

Educational Qualification

- ❖ **Doctor of Philosophy (Ph. D.)** **Oct 2010 – March 2016**
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 Immunology and Microbiology Laboratory, Department of Human Physiology with Community Health, Vidyasagar University, Paschim Medinipur – 721102, West Bengal, India on 16.03.2016.
- ❖ **Master of Science In Human Physiology (Specialization: Microbiology & Immunology)** **2008-10**
Passed with 73.0% (**Silver medalist**) in the year of 2010, from Vidyasagar University, Midnapore, Paschim Medinipur – 721 102, West Bengal, India.

Academic Research Experience

- ❖ Post-doctoral research: **University of the Free State**, Bloemfontein, SA **July, 2017** to present
Working on antimalarial activity of isolated unique plant compound against drug sensitive & resistant malaria parasite, and anticancer activity of green synthesized nanoparticle against breast cancer cell line (MCF7)
- ❖ Post-doctoral study: **Michigan State University**, East Lansing, USA **Jan, 2017 to April, 2017**
Was working on Toll like receptor mediated mouse (BALB/C & B6) bone marrow derived mast cell activation.
- ❖ **Ph. D. :** Vidyasagar University, West Bengal, India **Oct 2010 to July, 2015**
Thesis work performed on “Antimalarial efficacy of chitosan nanoparticle conjugated chloroquine against *Plasmodium berghei* NK65 infection: A mechanistic study”
- ❖ **Junior Research Fellow (JRF)** in DST, Govt. of India, funded project **Dec 2010 – May 2011**
Worked on “Molecular approach for monitoring drug resistant malaria parasite in the malaria endemic zone in West Bengal” in the Dept. of Human Physiology with Community Health, Vidyasagar University, India
- ❖ **Masters Project:** Immunology & Microbiology Lab., Vidyasagar University, India **2008 - 2010**

On “Effect of Andrographolide and Eugenol on immunosenescence of human lymphocyte” (2008 – 2010).

Industrial Research experience

❖ **Tiger Brands Limited** (Registration No. 1944/017881/06), Sandton, SA: **June 2018 to May 2019**

Involved in testing for efficacy of different antimicrobial and antifungal preservation in pediatric colic drops and antacids.

Teaching Experience

University of the Free State, SA, Department of Pharmacology, Session: **2019- 2020**

Graduate level: Presented 6 lectures, revised previous course, demonstrated practical, Theoretical and practical exam questions

Hitkarini Dental College & Hospital, India: Department of Physiology **Nov 2015- Dec 2016**

Senior lecturer & Deptt. In- charge: BDS student; Teaching, demonstrated practical, Theoretical and practical exam questions setup

Narajole Raj College, India: Department. of Physiology, **Nov 2012 - Nov 2015**

Guest lecturer & Deptt. In- charge: Graduate level; Teaching, demonstrated practical, Theoretical and practical exam questions setup

Publication

Citations **1540**

h-index **22**

i10-index **38**

According to Google Scholar, 29th April, 2022

H-index in Scopus **19**

H-index in Web of Science **17**

Total Impact factor: 181.876

Publications List:

2022

1. B Das, A Kar, R Bhowmik, S Karmakar, **S Tripathy**, M G Matsabisa*, P K Mukherjee; 2022; Quality related safety evaluation of a South African Traditional Formulation (PHELA®) as novel anti-biofilm candidate; *Molecules* 27(4), 1219 (**Impact factor: 4.412**)

2021

2. **Tripathy S***, Dassarma B*, Bhattacharya M, Matsabisa MG. 2021. Plant-based vaccine research development against viral diseases with emphasis on Ebola Virus disease: A review study. *Current Opinion in Pharmacology*. 60: 261-267 (*Equal contribution) (**Impact factor: 5.547**)
3. Das S, **Tripathy S**, Pramanik P, Saha B, Roy S. (2021). Novel antimalarial nano-formulation acting through inducing redox damage and mimicking cytokine response. *Cytokine*. 144; 155555 (**Impact Factor: 3.861**)
4. Mooko T, Bala A, **Tripathy S**, Chethan SK, Chandrashekara PM, Chaudhary SK, Matsabisa MG. (2021). *Cannabis Sativa* L. Flower and Bud Extracts inhibited In vitro Cholinesterases and b-Secretase Enzymes Activities: Possible Mechanisms of Cannabis use in Alzheimer Disease. *Endocrine, Metabolic & Immune Disorders - Drug Targets*. 21; 1-13. DOI:10.2174/1871530321666210222124349. (**Impact Factor: 2.895**)

5. Dassarma B, **Tripathy S***, Chabalala M, Matsabisa MG*. 2021. Challenges in Establishing Vaccine Induced Herd Immunity through Age Specific Community Vaccinations. *Aging and Disease*. 12 (6). doi.org/10.14336/AD.2021.0611. (*Corresponding Author) (**Impact factor: 6.745**)

2020

6. **Tripathy S**, Dassarma B, Roy S, Chabalala H, Matsabisa MG. A review on possible modes of actions of Chloroquine/Hydroxychloroquine: Repurposing against SAR-COV-2 (COVID 19) pandemic. *International Journal of Antimicrobial Agents*. 2020 May 22;106028. doi.org/10.1016/j.ijantimicag.2020.106028 (**Impact factor: 5.283**)
7. Dassarma B, **Tripathy S**, Matsabisa MG. (2020). Emergence of Ancient Convalescent plasma (CP) Therapy: to Manage COVID-19 Pandemic. *Transfusion Clinique et Biologique*. 28(1); 123-127. (**Impact Factor: 1.406**)

2019

8. **Tripathy S**, Rademan S, Matsabisa MG. 2019. Effects of silver nanoparticle from *Dicoma anomala* Sond. root extract on MCF-7 cancer cell line and NF54 parasite strain: An in vitro study. *Biological Trace Element Research*. 195(1):82-94. doi: 10.1007/s12011-019-01822-3. (**Impact factor: 3.738**)

2018

9. **Tripathy S**, Chattopadhyay S, Dash SK, Matsabisa MG, Roy S. (2018). Nanochloroquine delivery against *Plasmodium berghei* NK65 induced programme cell death in spleen. *Asian Pacific Journal of Tropical Medicine*. 11(9); 540-546. (**Impact Factor: 1.226**)

2017

10. Das, S., **Tripathy, S.**, Dash., S. K., Chattopadhyaya., S., Mandal., D, Hati., A.K., Roy, S. (2017). Progressive Increase in Point Mutations Associates Chloroquine Resistance: Even After Withdrawal of Chloroquine use in India. *International Journal for Parasitology – Drugs and Drug Resistance*. 7 (2017), 251-261. (**Impact factor: 4.077**)
11. Das B, **Tripathy S**, Adhikary J, Chattopadhyay S., Mandal D, Dash SK, Das S, , Dey A, Dey SK, Das D Roy S. 2017. Surface modification minimizes the toxicity of silver nanoparticles: an in vitro and in vivo study. *Journal of Biological inorganic Chemistry*. DOI 10.1007/s00775-017-1468-x. (**Impact factor: 3.358**)
12. Ray Chowdhuri A, Das B, Kumar A., **Tripathy S**, Roy S, Sahu SK. 2017 One-pot synthesis of multifunctional nanoscale metal-organic frameworks as an effective antibacterial agent against multidrug-resistant *Staphylococcus aureus*. *Nanotechnology*. 28(9):095102 (**Impact Factor: 3.874**)

2016

13. Panda BC., Maity P, Nandi AK., Pattanayak M, Manna DK, Mondal S, **Tripathy S**, Roy S, Acharya K, Islam SS. 2016. Heteroglycan of an edible Mushroom *Pleurotus cystidiosus*: structural characterization and study of biological activities. *International Journal of Biological Macromolecules*. 95, 833-842. (**Impact Factor: 6.953**)
14. Manna DK., Maity P, Nandi AK., Pattanayak M, Panda BC, Mandal AK., **Tripathy S**, Acharya K, Sahoo AK, Gupta N, Roy S, Islam SS. 2016. Structural elucidation and immunostimulating property of a novel polysaccharide extracted from an edible mushroom *Lentinus fusipes*. *Carbohydrate Polymers*. 157:1657-1665. (**Impact Factor: 9.381**)
15. Das D, Mazumdar P, Maity A, **Tripathy S**, Roy S, Chattopadhyay D, Misra A. 2016. Aggregation induced emission from α -naphthoflavone microstructures and its cyto-toxicity. *Journal of Photochemistry and Photobiology B: Biology*. 156:1-10. (IF: 6.252)

16. Chattopadhyay S, Dash SK, Mandal D, Das B, **Tripathy S**, Dey A, Pramanik P, Roy S. 2016. Metal based nanoparticles as cancer antigen delivery vehicles for macrophage based antitumor vaccine. *Vaccine*. 34(7); 957-967(**IF: 3.641**)

2015

17. **Tripathy S**, Chattopadhyay S, Dash SK, Sahoo SK, Roy Chowdhuri A, Das S, Majumder S, Roy S. 2015. Chitosan conjugated chloroquine: Proficient to protect the induction of liver apoptosis during malaria. *International Journal of Biological Macromolecules*. 74: 585-600. (**Impact factor: 6.953**)
18. **Tripathy S**, Roy S. (2015). "Redox sensing and signaling by malaria parasite in vertebrate host" *Journal of Basic Microbiology*. DOI: 10.1002/jobm.201500031. (**Impact Factor: 2.281**)
19. Ray Chowdhuri A, **Tripathy S**, Halder C, Roy S, Sahu SK. 2015. Single step synthesis of carbon dots embedded chitosan nanoparticles for cell imaging and hydrophobic drug delivery. *Journal of Materials Chemistry B*. 3:9122-9131. (**Impact Factor: 6.331**)
20. Dash SK, Chattopadhyay S, Dash SS, **Tripathy S**, Das B, Kar Mahapatra S, Bag BG, Karmakar P, Roy S. 2015. Self-assembled nano fibers of betulinic acid: A selective inducer for ROS/TNF-alpha pathway mediated leukemic cell death. *Bioorganic chemistry*. 63:85-100. (**Impact Factor: 5.275**)
21. Das B, Dash SK, Mandala D, Ghosh T, Chattopadhyay S, **Tripathy S**, Das S, Dey SK, Das D, Roy S. 2015. Green synthesized silver nanoparticles destroy multi drug resistant bacteria via Reactive oxygen species mediated Membrane damage. *Arabian Journal of Chemistry*. doi:10.1016/j.arabjc.2015.08.008 (**Impact Factor: 5.165**)
22. Manna DK., Nandi AK., Pattanayak M, Maity P, **Tripathy S**, Mandal AK., Roy S, Tripathy SS., Gupta N, Islam SS. 2015. A water soluble β -glucan of an edible mushroom *Termitomyces heimii*: Structural and biological investigation. *Carbohydrate Polymers*. 134:375-384. (**Impact Factor: 9.381**)
23. Dash SK, Chattopadhyay S, **Tripathy S**, Dash SS, Das B, Mandal D, Kar Mahapatra S, Bag BG, Roy S. 2015. Self-assembled betulinic acid augments immunomodulatory activity associates with IgG response. *Biomedicine and Pharmacotherapy*. 75:205-217. (**Impact Factor: 6.529**)
24. Ray Chowdhuri A, **Tripathy S**, Chandra S, Roy S, Sahu SK. 2015. A ZnO Decorated Chitosan-Graphene Oxide nanocomposite shows significantly enhanced antimicrobial activity with ROS generation. *RSC Advances*. 5: 49420-49428. (**Impact Factor: 3.361**)
25. Dash SK, Chattopadhyay S, Ghosh T, Dash SS, **Tripathy S**, Das B, Bag BG, Das D, Roy S. 2015. Self-assembled betulinic acid protects doxorubicin induced apoptosis followed by reduction of ROS-TNF- α -caspase-3. *Biomedicine & Pharmacotherapy*. 72: 144-157. (**Impact Factor: 6.529**)
26. Dash SK, Dash SS, Chattopadhyay S, Ghosh T, **Tripathy S**, Kar Mahapatra S, Bag BG, Das D, Roy S. 2015. Folate decorated delivery of self-assembled betulinic acid nano fibers: A biocompatible anti-leukemic therapy. *RSC Advances*. 2015 (5): 24144-24157. (**Impact Factor: 3.361**)
27. Ray Chowdhuri A, **Tripathy S**, Halder C, Chandra S, Das B, Roy S, Sahu SK. 2015. Theoretical and experimental study of folic acid conjugated silver nanoparticles through electrostatic interaction for enhances antibacterial activity. *RSC Advances*. 2015 (5): 21515-21524. (**Impact Factor: 3.361**)
28. Chattopadhyay S, Dash S, **Tripathy S**, Pramanik P, Roy S. 2015. Phosphonomethyl iminodiacetic acid conjugated cobalt oxide augmented ROS stress to improve anticancer activity: in vitro and in vivo study. *Journal of Biological Inorganic Chemistry*. 20:123-141. (**Impact Factor: 3.358**)

2014

29. **Tripathy S**, Das S, Dash SK, Kar Mahapatra S, Chattopadhyay S, Majumder S, Roy S (2014). A prospective strategy to restore the tissue damage in malaria infection: Approach with chitosan-trypolyphosphate conjugated nanochloroquine in Swiss mice. *European Journal of Pharmacology*. 737: 11-21. (**Impact Factor: 4.432**)
30. **Tripathy S**, Roy S. (2014). A review of age-old antimalarial drug to combat malaria: efficacy up-gradation by nanotechnology based drug delivery. *Asian Pacific Journal of Tropical Medicine*. 2014: 673-679. (**Impact Factor: 1.226**)

2013

31. **Tripathy S**, Kar Mahapatra S, Chattopadhyay S, Das S, Dash SK, Majumder S, Pramanik P, Roy S. (2013). A novel chitosan based antimalarial drug delivery against *Plasmodium berghei* infection. *Acta Tropica*. 128 (2013); 494-503. (**Impact Factor: 3.112**)
32. Chattopadhyay S, Dash SK, Ghosh T, Das S, **Tripathy S**, Mandal D, Das D, Pramanik P, Roy S. (2013). Anti-cancer and immune stimulatory role of encapsulated tumor antigen containing cobalt oxide nanoparticles. *Journal of Biological Inorganic Chemistry*. 18(8):957-973. (**Impact Factor: 3.358**)
33. **Tripathy S**, Das S, Dash SK, Chattopadhyay S, Roy S. (2013). The impact of nanochloroquine on restoration of hepatic and splenic mitochondrial damage against rodent malaria. *Journal of Nanoparticles*. Article ID 106152, 9 Pages, doi: 10.1155/2013/106152.

2012

34. **Tripathy S**, Das S, Chakraborty SP, Sahu SK, Pramanik P, Roy S. (2012). Synthesis, characterization of chitosan-tripolyphosphate conjugated chloroquine nanoparticle and its in vivo anti-malarial efficacy against rodent parasite: A dose and duration dependent approach. *International Journal of Pharmaceutics*. 434 (1-2); 292-305. (**Impact Factor: 5.875**)
35. Das, S., Chakraborty, S.P., **Tripathy, S.**, Hati, A.K., Roy, S. (2012). Novel quadruple dihydropteroate synthase mutations of *Plasmodium falciparum* for first time in West Bengal, India. *Tropical Medicine & International Health*. DOI: 10.1111/j.1365-3156.2012.03071.x. (**Impact Factor: 2.622**)
36. **Tripathy S**, Chakraborty SP, Roy S. (2012). Superoxide radical generation mediated *Plasmodium berghei* infection in Swiss mice. *Al Ameen Journal of Medical Science*. 5(1): 69-81.

2011

37. Chakraborty SP., KarMahapatra S, Sahu SK., Das S, **Tripathy S**, Dash SK, Pramanik P, Roy S. (2011). Internalization of *Staphylococcus aureus* in lymphocytes induces oxidative stress and DNA fragmentation: possible ameliorative role of nanoconjugated vancomycin. *Oxidative Medicine and Cellular Longevity*, Article ID 942123, 15 pages, doi:10.1155/2011/942123. (**Impact Factor: 6.543**)
38. Chakraborty SP, Das S, Chattopadhyay S, **Tripathy S**, Dash SK., Pramanik P, Roy S. (2011). *Staphylococcus aureus* infection induced redox signaling and DNA fragmentation in T-lymphocytes: possible ameliorative role of nanoconjugated vancomycin. *Toxicology Mechanisms and Methods*, 22(3): 193-204. (**Impact Factor: 2.987**)

* **Book Chapter (s):**

- **Tripathy S**, Dassarma B, Matsabisa MG. 2021. *Chapter 3; title: Regulatory role of Nrf2 in rheumatoid arthritis; Book title: Free Radical Biology of Endocrine, Metabolic and Immune Disorders; Bentham Publication.* Page: 63-94; Doi: 10.2174/9789815049220122010007;

ISBN: 978-981-5049-23-7

- Matsabisa MG, **Tripathy S**, Dassarma B, Chabalala HP, Mukherjee PK. 2021. *Chapter title: African traditional herbal medicine Commercial Development: Addressing Standardization and Quality Control Challenges for Product Development*; *Book title: Evidence-Based Validation of Herbal Medicine* (2nd Edition; ISBN: 978-0-323-85542-6) Elsevier, USA. (in press)
- **Tripathy S**, & Roy S. 2015. *Chapter: Biomedical activity of polymeric biomolecule chitosan: trend with biotechnology based approach*; *Book title: Basic Concepts of Biotechnology: by Laxmi Books Publications at LULU press, USA. Accepted: January, 2015.*
- **Tripathy S**, & Khalua R. 2014. *Chapter: Bioremediation: An Enrichment policy in sustainable crop production*; *Book title: Microbiology: by Laxmi Books Publications at LULU press, USA. Accepted: December 11, 2014.*

✱ **Book**

Book Title: 'An Introductory Approach on Human Physiology' (ISBN: **978-8194920069**)

Authors: Satyajit Tripathy, BarshaDassarma, MG Matsabisa

Publishers: Red flowers publication private ltd., New Delhi, India

GeneBank Submission

Ø Das,S., **Tripathy,S.**, Das,B., Banik,A., Kar,A., Manna,S., Hati,A.K. and Roy,S. (2015) *Plasmodium falciparum*: kelch protein (K13)

· GenBank Accession no. KR905177

Ø Das,S., Kar,A., Manna,S., Banik,A., **Tripathy,S.**, Hati,A.K. and Roy,S. (2015) *Plasmodium falciparum*: kelch protein (K13)

· GenBank Accession no. KR905181

Ø Das,S., Banik,A., Kar,A., Manna,S., **Tripathy,S.**, Hati,A.K. and Roy,S. (2015) *Plasmodium falciparum*: kelch protein (K13)

· GenBank Accession no. KT000693

Ø Das,S., Banik,A., **Tripathy,S.**, Das,B., Hati,A.K. and Roy,S. (2015) *Plasmodium falciparum*: kelch protein (K13)

· GenBank Accession no. KT191149

Ø Das,S., **Tripathy,S.**, Das,B., Hati,A.K. and Roy,S. (2015) *Plasmodium falciparum*: kelch protein (K13)

· GenBank Accession no. KT191157; · KT191156

Ø Das,S., Banik,A., **Tripathy,S.**, Das,B., Hati,A.K. and Roy,S. (2015) *Plasmodium falciparum*: kelch protein (K13)

· GenBank Accession no. KT191159

Ø Das,S., **Tripathy, S.**, Chattopadhyay,S., Dash,S.K., Mandal,D., Das,B., Kar Mahapatra,S., Hati,A.K. and Roy,S. (2014) *Plasmodium falciparum*; P-glycoprotein-like protein (mdr1) gene.

· GenBank Accession no. KM056977; KM056978; · KM056979; KM056980

Ø Das,S., **Tripathy, S.**, Das,B., Dash,S.K., Chattopadhyay,S., Mandal,D., Kar Mahapatra,S., Hati,A.K. and Roy,S. (2014) *Plasmodium falciparum*; pfcr gene.

· GenBank Accession no KM188435; · KM188436; · KM188437; KM188438; · KM188439

Ø Das,S., **Tripathy, S.**, Dash,S.K., Chattopadhyay,S., Das,B., Mandal,D., Kar Mahapatra,S., Hati,A.K. and Roy,S. (2014) *Plasmodium falciparum*; pfdr gene.

· GenBank Accession no KP256234; KP256235; KP256236; KP256237

Paper Presentation / Publication Proceedings

- ✍ ROS mediated MCF-7 damage: Efficiency of biogenic silver nanoparticles from *Dicoma anomala* Sond. root extract. In: **CobNest 2018**. Organized by **Stellenbosch University, Capetown, South Africa**,. On 10-12th October, 2018
- ✍ Polymer nanoparticles increase chloroquine antimalarial efficacy against *Plasmodium berghei* NK65 *in vivo*. In International society of Ethno pharmacology and Society for Ethno pharmacology, India Conference – 2018 (ISE-SFE 2018). Organized by **University of Dhaka, Bangladesh**. On 12th -15th January, 2018.
- ✍ A prospective strategy to advance age-old anti-malarial agent: Approach with a biocompatible nanoparticle. In: The South African Annual Pharmacology conference (**SAPHARM 2017**) organized by **The Faculty of Health Sciences, University of the Free State, Bloemfontein, South Africa**. On 01-04th October, 2017
- ✍ **Impact of CS-TPP conjugated chloroquine against *Plasmodium berghei* NK65 induced apoptosis**. In: UGC Sponsored Two-Day National Seminar on “Trends of Physiological Researches from Laboratory to Community”. Organized by Department of Human Physiology with Community Health, Vidyasagar University at Midnapore- 721102, West Bengal, India, on 30-31, March, 2016.
- ✍ **Tripathy S, Matsabisa MG. Estimation of cytocompatibility and bio application of silver nanoparticle conjugated sesquiterpene from *Dicoma anomala* Sond. root extract: An in vitro study**. 19th International Congress of the International Society for Ethnopharmacology (ISE-2019). Organized by **Technische Universität, Dresden, Germany**, June 12-14, 2019
- ✍ **Tripathy S, Matsabisa MG. Anti-parasitic activity of biogenic silver nanoparticle conjugated sesquiterpene from *Dicoma anomala* Sond. root extract**. In International Seminar On Global Challenges on Food and Environment, 2019 (ISGCFE 2019). Organized by Dept. of Nutrition in collaboration with Dept of Physiology, Belda College, Belda, Paschim Medinipur-721424, West Bengal, India. On 9th April, 2019.
- ✍ **Tripathy S, Chattopadhyay S, Dash SK, Das B, Das S, Mandal D, Roy S. Impact of CS-TPP conjugated chloroquine against *Plasmodium berghei* NK65 induced apoptosis**. In: UGC Sponsored Two-Day National Seminar on “Trends of Physiological Researches from Laboratory to Community”. Organized by Department of Human Physiology with Community Health, Vidyasagar University at Midnapore- 721102, West Bengal, India, on 30-31, March, 2016.
- ✍ **Tripathy, S., Roy, S., “*Plasmodium berghei* induced splenocyte apoptosis in intrinsic pathway”**. Current trends of research in human physiology and community health, ”, organized by Department of Human Physiology with Community Health, Vidyasagar University at Midnapore- 721102, West Bengal, India, on 27th March, 2015.
- ✍ **Tripathy, S., Paul, B., Khalua, RK., “Fish in diet: Supply Omega-3 fatty acids, a potential agent against cancers”**. In: Two days UGC-sponsored National Seminar on Food Habit & Cancer; Organized by Department of Zoology, Egra S.S.B. College, Egra, Purba Medinipur, West Bengal, in collaboration with Belda College, West Bengal, India; on 7th & 8th March, 2015.
- ✍ **Tripathy, S., Roy, S. “Polymer conjugated nanochloroquine delivery improve the efficacy of chloroquine against *Plasmodium berghei* infection in mice”**. In: 101st Indian Science Congress; Section of Medical Sciences (Including Physiology); Organized by Jammu University, Jammu, India on 3rd – 7th February 2014.

- ✍ **Tripathy, S., Das, S., Dash, S.K., Chattopadhyay, S., Mandal, D., Das, B., Pramanik, P., Roy, S. “Immunomodulatory role of chitosan-tripolyphosphate conjugated nanochloroquine”.** In: National Seminar on “Research Methodology in Higher Education”; Organized by Vidyasagar University Research Scholars’ Association, Vidyasagar University, Midnapore-721 102, West Bengal on 19th March 2013.
- ✍ **Tripathy, S., Das, S., Chakraborty, S.P., Pramanik, P., Roy, S. “Anti-malarial activity of chitosan conjugated chloroquine against *Plasmodium berghei* infected mice”.** In: 100th Indian Science Congress; Section of Medical Sciences (Including Physiology); Organized by University of Calcutta, Kolkata, West Bengal on 3rd – 7th January 2013.
- ✍ **Tripathy, S., Das, S., Chakraborty, S.P., Pramanik, P., Roy, S. “Antiparasitic Effects of Nanoconjugated Chloroquine: an in vivo study”** In: International Conference on “Frontiers in Biological Researches”, organized by Department of Human Physiology with Community Health, Vidyasagar University at Midnapore-721102, West Bengal, India, on 26th-27th February, 2012.
- ✍ **Tripathy, S., Chakraborty, S.P., Das, S., Roy, S. “Alteration of oxidative stress marker in tissues of *Plasmodium berghei* infected Swiss mice”.** In: National Seminar on “Awareness of Communicable Diseases”; Organized by Department of Nutrition and NSS Unit, Santal Bidroha Sardha Satabarshiki Mahavidyalaya, Goaltore, Paschim Medinipore, West Bengal on 24th January 2012.
- ✍ **Tripathy, S., Chakraborty, S.P., Das, S., Roy, S. “The study of Pathophysiological changes of *Plasmodium berghei* (NK65) in Swiss mice”.** In: 99th Indian Science Congress; Section of Medical Sciences (Including Physiology); Organized by KIIT University, Bhubaneswar, Orissa on 3rd – 7th January 2012.
- ✍ **“Telomere biology and telomerase activity in aging”** in N. M. Basu Memorial National Seminar on “Emerging Issues in Physiology and Allied Sciences” held at Department of Human Physiology with community Health, Vidyasagar University.
- ✍ **“Oral cancer, an adverse effect of tobacco use”** in the UGC sponsored National Seminar on “Current Trends of Researches in Health and Diseases” held at Department of Human Physiology with Community Health, Vidyasagar University.

Editorial Board Member

- **Frontiers in Chemistry: Review Editor (Nanoscience Section)**
- **International Journal of Biology** (ISSN 1916-9671(Print) ISSN 1916-968X (Online))
- **Research Journal of Biology** (ISSN 2322-0066)
- **Journal of Nanotechnology and Materials Science** (ISSN 2377-1372)
- **International Institute of chemical, Biological and Environmental Engineering: (Scientific Board of Biological, Pharmaceutical & Medical Sciences)**
- **International Scientific Academy of Engineering & Technology**
- **American Journal of Pharmacological Sciences** (ISSN (Print) 2327-6711) ISSN (Online): 2327-672X

- **Journal of Critical Reviews** (ISSN: 2394-5125)

Advisory Board Member

- * **International Journal of Research in Pharmaceutical and Nano Sciences** (ISSN 2319- 9563)
- * **Asian Journal of Research in Biological and Pharmaceutical Sciences** (ISSN 2349-4492)

Reviewer (more than 40 international journals) of some selected journals

Molecular Therapy: Nucleic Acid; Elsevier; **mBio**, American Society for Microbiology; **Reviews in Medical Virology**, Wiley; **Human Vaccines & Immunotherapeutics**, Taylor and Francis; **Journal of Advanced Research**, Elsevier; **Environmental Pollution**, Elsevier; **Aging and Disease**; **Computational and Structural Biotechnology Journal**, Elsevier; **Ecotoxicology and Environmental Safety**, Elsevier; **Ploze One**, PLOS; **Biocell**; **Frontiers in Chemistry**, Frontiers Media; **International Journal of Nanomedicine**, Dove ; **Journal of Medical Virology**, Wiley; **International Journal of Peptide Research and Therapeutics**, Springer; **Drug and chemical toxicology**, Taylor and Francis; **Drug Design, Development and Therapy**, Dove press; **Reports in Parasitology**; **Trends in Vector Research and Parasitology**; **Molecular Biotechnology**, Springer; **Nanoscience and Nanotechnology Research**; **Journal of Nanotechnology & Materials Science**. etc.

Professional Responsibility

- Attended at the meeting of **20 years celebration of Science and Technology and innovation cooperation between South Africa and India** in **Durban**, South Africa, on 06th October, 2017.
- **Appointed as External Examiner** by **Chattishgarh Ayush and Health Science University**, Raipur, India to conduct BDS 1st year Practical Exam. (Physiology and Biochemistry) at **Triveni Institute of Dental Science, Hospital and Research Centre**, Bilashpur, India, 2016.
- **Appointed as Main Examiner** by **Jiwaji University**, Gwalior, India to evaluate of BDS 1st year Answer scripts of Physiology, 2016.
- **Appointed as Scrutineer** by The Controller of Examination, **Vidyasagar University** to scrutiny of B. Sc. Part I answer scripts Physiology (General), 2015.
- **Appointed as Scrutineer** by The Controller of Examination, **Vidyasagar University** to scrutiny of B. Sc. Part II answer scripts Physiology (Hons.), 2015.
- **Appointed as Examiner** by The Controller of Examination, **Netaji Subhas Open University** to evaluate scripts of Application Oriented course (AOC), 2015.
- **Appointed as Examiner** by The Controller of Examination, **Vidyasagar University** to evaluate of B. A./ B. Sc./ B. com- Part III Examination in environmental science (compulsory), 2015
- **Appointed as Examiner** (Internal) by The Controller of Examination, **Vidyasagar University** to conduct B. Sc. Part II Practical Examination, 2015.
- **Appointed as Deputy Centre Coordinator** by the **CEPTAM for the DRDO** Entry test 2014 on 1st February, 2014.
- **Appointed as an Invigilator** by **West Bengal Staff Selection Commission** for the Inspector of Food Recruitment Examination on 27th July, 2014.
- **Appointed as Examiner** (Internal) by **Vidyasagar University** to conduct B. Sc. Part II Practical Examination, 2014.
- **Appointed as Examiner** by The Controller of Examination, **Netaji Subhas Open University** to evaluate scripts of Application Oriented course (AOC), 2013.

Award/ Achievements/Honour/Recognition :

- ✓ I received **Silver Medal** from Vidyasagar University for scoring 2nd highest in M. Sc.
- ✓ Get chance for **training of FACS Orient course conducted by BD Biosciences** at BD JH FACS Academy III Floor, Science Block, Jamia Hamdard (Hamdard University), Gurgaon, India from 3rd to 5th April, 2013.
- ✓ Selected and funded by the UFS to be a part of **Science and Technology and innovation cooperation between South Africa and India** in **Durban**, South Africa, on 06th October, 2017
- ✓ The application was selected for the award of **National Post-doctoral fellowship (NPDF) 2018**, DST, Govt. of India (Declined)
- ✓ **UFS travel grant** to attend International society of Ethno pharmacology and Society for Ethno pharmacology, India Conference – 2018 (**ISE-SFE 2018**). Organized by **University of Dhaka, Bangladesh**. On 12th - 15th January, 2018.
- ✓ **UFS travel grant** to attend 19th International Congress of the International Society for Ethnopharmacology (ISE-2019). Organized by **Technische Universität, Dresden, Germany**, June 12-14, 2019 (Declined)
- ✓ Awarded 'Medal of Merit' for outstanding research presentation entitled "Employment of old options to control novel corona virus: Pros and Cons" during the **UNESCO/UNITWIN NETWORK WEB SEMINAR-2020**, from 6-7th August 2020.
- ✓ Recognized for emerging as 1ST RUNNER-UP ORAL presenter at the recent Virtual ACP2021. Virtual **7th All Africa Congress on Basic and Clinical Pharmacology**, Nairobi, Kenya, On 15th to 17th September, 2021
- ✓ **Travel grant** from International Society for Ethnopharmacology for **Ethnopharmacology 2022 in Taiwan**, venue: Chinese Medical University from 28th May, 2022 to 31st May, 2022

Membership :

- ✓ South African Society of Basic and Clinical Pharmacology (100-030)
- ✓ Indian Science Congress Association (Life member, L18071)
- ✓ Physiological Society of India (Life member, 0681)
- ✓ International Nanoscience Community (Full Member)

Address of Residence:

Kovsie Inn, Room C003, University of the Free State, Bloemfontein campus, Park west, Bloemfontein, Free State 9301, SA

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

Satyajit Tripathy
(SATYAJIT TRIPATHY)