

RESUME

D. SUDHAHAR

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C/o, Prof. Dr. TANMOY BERA

Division of Medicinal BioChemistry

Dept of Pharmaceutical Technology

Jadavpur University, Jadavpur, WB

KOLKATA -700 032. INDIA.

PROFILE :-

A highly motivated and enthusiastic person with a good knowledge and having wide range of experience in the Research. Able to work on own initiative and work as a part of a team under pressure to meet challenging objectives. First-class communication and organization skills with the will and determination needed to succeed.

CURRENT DETAILS :-

Current situation

I am looking to Work in your esteemed organization

English Language Skills

Fluent in English

Other Language Skills

Tamil, Hindi, Bengali

EDUCATIONAL QUALIFICATIONS :-

DOCTORATE DEGREE

Persuing Ph.D.

Degree discipline

Pharmacy [Medicinal Biochemistry]

University

Jadavpur University

Project Title

Characterization of Transplasma Membrane Electron Transport System in *Leishmania donovani* Promastigotes and *Entamoeba histolytica* Trophozoites as a Potential Target for Chemotherapy.

Ph.D Supervisor

Prof. Dr.Tanmoy Bera

POSTGRADUATE DEGREE**Master of Pharmacy****Degree discipline**

Medicinal Biochemistry

Class

70.38% - First Class, March – 2003

Course background

Medicinal Biochemistry, Microbiology, Pharmacognosy, Pharmaceutical Product Development, Quality Assurance.

University

Jadavpur University

Project TitleSome Studies on the Properties of Transplasma Membrane Electron Transport System in *Leishmania donovani* promastigotes and *Entamoeba histolytica* trophozoites.**UNDERGRADUATE DEGREE****Bachelor of Pharmacy****Degree discipline**

Pharmaceutical Sciences

Class

60 % - Second Class, April – 2000

Course background

Anatomy and Physiology, Advanced Pharmaceutical Organic Chemistry[including Chemistry of Synthetic and Natural drugs], Biochemistry, Pharmaceutics, Pharmacognosy[advanced], Pharmacology, Instrumental Methods of Pharmaceutical Analysis, Pharmacy Practice[Including Hospital, Clinical, Industrial and Business Management], Forensic Pharmacy.

University

The Tamil Nadu Dr. M.G.R Medical University, Chennai,

Project Title

“Survey of Polio Eradication in some villages of virudhunagar dist, TamilNadu” under the guidance of Dr.A.Rajasekar, Principal, A.K College of Pharmacy, Srivilliputhur, Virudhunagar District, Tamil Nadu.

COMPUTER SKILLS :-

BASIC, MS - Windows 98, Windows 2000, Windows XP

HONOURS AND AWARDS :-

1. Indian Registered Pharmacist (Reg No. 5435 A1).
2. Qualified in National Level Exam - GATE - 2002.

TECHNICAL EXPERIENCES :-

Preparation of modified Ray's blood agar media and liquid media aseptically and maintenance of *Leishmania donovani* promastigotes strain at 23°C in BOD incubator and maintenance of *Leishmania donovani* amastigotes at CO₂ Incubator in Cell and Tissue Culture Laboratory. Preparation of plasma membrane from *Leishmania donovani* promastigotes, *Leishmania donovani* amastigotes, and *Entamoeba histolytica* Trophozoites and assay of the plasma membrane bound redox enzyme. UV irradiation to *Leishmania donovani* promastigote, *Entamoeba histolytica* Trophozoites cells and enzyme assay of the UV irradiated cells. Measurement of O₂ uptake by Hansatech oxygraph plus Instrument by several effective drugs and effectors treated against of *Leishmania donovani* promastigotes, *Leishmania donovani* amastigotes, and *Entamoeba histolytica* Trophozoites. Development of Macrophage cell culture from mice. Known to Handle different types of instrumentation techniques for molecular level work and well known to rectify the problem arises during experimental work. Synthesis of 5,5'- dithiobis (2- nitroaniline – N-sulphonic acid) as a nonpermeable electron acceptor of trans-PEMT system. Synthesis of effective antileishmanial derivatives such as diphenylamine derivatives, salicylanilide derivatives, Benzanilide derivatives, Benzamide derivatives, and 1,4- naphthoquinone derivatives as inhibitor of redox enzyme of trans-PMET system. These effectors has given a excellent result of more than 90% inhibition against of *Leishmania donovani* promastigotes, *Leishmania donovani* amastigotes, and *Entamoeba histolytica* Trophozoites on Transplasma Membrane Electron Transport System [TPMETS].

PRESENTATIONS IN CONFERENCES :-

1. Indian Pharmaceutical Congress–2004, Kolkata, entitled Antileishmanial activity of some naphthoquinone derivatives. (Abstract Published).
2. Third world congress on Leishmaniosis-2005, Italy, entitled Antileishmanial Drug Development : Exploitation of Parasite Transplasma Membrane Electron Transport System. (Abstract accepted).

JOURNAL PUBLISHED :-

1. Tanmoy Bera, Kuruba Lakshman, Debiprasad Ghanteswari, Sabita Pal, **Dharmalingam Sudhahar**, Md. Nurul Islam, Nihar Ranjan Bhuyan, Pradeep Das (2005). Characterization of the redox components of transplasma membrane electron transport system from *Leishmania donovani* promastigotes. Biochimica et Biophysica Acta. General Subjects 1725 (2005) 314 - 326.
2. Tanmoy Bera, **Dharmalingam Sudhahar** and Pradeep Das (2005). Transplasma membrane electron transport system in *Entamoeba histolytica* trophozoites, Eukaryote cell. (Communicated).

PERSONAL PROFILE :-

Gender Male
Citizen Indian
Religion Hindu
Born 28th July , 1978
Marital Status Unmarried
Father's Name Mr.P.Dharmalingam
Passport No : F 7004411
Permanent Address C3 – 15 / F, B.H.E.L,
Town Ship, Kailasapuram
Thiruchirappalli – 620014
Tamil Nadu, India.
Interests & Hobbies Internet Surfing, Reading books, listening music,
Playing Carrom.

REFERENCES :-

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I hereby declare that the above furnished details are true to the best of my knowledge.

Sincerely yours
D. SUDHAHAR