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Administrative Order
Appl. No. BMB/2017/75

No. BT/PR25668/NER/95/1278/2017
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY
(NER-BPMC)

Block 2, 6-8th Floors
CGO Complex, Lodhi Road,
New Delhi- 110 003
Dated: 06/11/2019

ORDER

Sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rules, 1978, for the implementation of the project entitled: "**Development of novel rationally designed ferrocene, glucose and folic acid conjugated lanthanide(III), iron(III) and cobalt(III) complexes as antibacterial and theranostic anticancer agents**" for a period of 3 Year 0 Month at a total cost of Rs. **10049480** (Rupees One Crore Forty Nine Thousand Four Hundred and Eighty Only) on the terms and conditions detailed here under:-

2 The Project :

2.1 Title : "**Development of novel rationally designed ferrocene, glucose and folic acid conjugated lanthanide(III), iron(III) and cobalt(III) complexes as antibacterial and theranostic anticancer agents**"

2.2 Details of the Investigators:

Project Coordinator

Dr. Akhtar Hussain
Assistant Professor
Department of Chemistry, Handique Girls' College,
Panbazar, Guwahati- 781001, Assam

Principal Investigators:

Dr. Akhtar Hussain
Assistant Professor
Department of Chemistry, Handique Girls' College,
Panbazar, Guwahati-781001, Assam

Dr. Kandarpa Kr Saikia

Associate Professor
Department of Biengineering and Technology,
Gauhati University Institute of Science and Technology,
Gauhati University, Guwahati - 781014, Assam

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Date: 06/11/2019

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Dr. Venkatasatish Kumar Mattaparthi
Assistant Professor
Department of Molecular Biology and Biotechnology,
Tezpur University,
Tezpur - 784028, Assam

CO-PI:

Dr. Tapan Thakuria
Assistant Professor
Department of Chemistry, Handique Girls' College,
Panbazar, Guwahati - 781001, Assam

Prof. Manab Deka
Professor
Department of Biengineering and Technology,
Gauhati University Institute of Science and Technology, Gauhati University,
Guwahati - 781014, Assam

Dr. Suman Dasgupta
Assistant Professor
Department of Molecular Biology and Biotechnology, Tezpur University,
Tezpur - 784028, Assam

2.3 Objectives:

Institute wise Objectives:

Gauhati University Institute of Science and Technology

1. Pre-screening for toxicity of the compounds
2. To study the in vitro antibacterial and anticancer activity of the complexes
3. Comparison with non-conjugated drugs as controls and standard drugs available in the market
4. To study the mechanism of antibacterial and anticancer activity of the compounds
5. Study of the cellular localization behaviour (cellular imaging) of the emissive complexes by confocal microscopy
6. To carry out in vivo antibacterial and anticancer studies depending upon successful in vitro results.

Vasulata

Dr. Vasulata
Department of Molecular Biology and Biotechnology
Tezpur University
Tezpur - 784028, Assam

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Institute wise details are:

Budget Head	Year I	Year II	Year III	Total (Rs.)
1. Haulique Girls' College				
Equipment	330000.00			330000.00
Manpower	431520.00	431520.00	407200.00	1270240.00
Overhead	40000.00	40000.00	40000.00	120000.00
Travel	50000.00	50000.00	50000.00	150000.00
Consumables	400000.00	300000.00	300000.00	1000000.00
Contingency	40000.00	40000.00	40000.00	120000.00
Total (Rs.)	421520.00	861520.00	897200.00	2070240.00
2. Gauhati University Institute of Science and Technology				
Manpower	431520.00	431520.00	407200.00	1270240.00
Overhead	30000.00	30000.00	30000.00	90000.00
Travel	30000.00	30000.00	40000.00	100000.00
Consumables	150000.00	150000.00	150000.00	450000.00
Contingency	30000.00	30000.00	40000.00	100000.00
Total (Rs.)	671520.00	671520.00	747200.00	2090240.00
3. Tezpur University				
Equipment	1815000.00			1815000.00
Manpower	0.00	0.00	0.00	0.00
Overhead	50000.00	2000.00	2000.00	54000.00
Travel	20000.00	20000.00	20000.00	60000.00
Contingency	20000.00	20000.00	20000.00	60000.00
Total (Rs.)	1905000.00	42000.00	42000.00	1989000.00

2.6 Equipment:

The details of the equipment sanctioned for the implementation of the project at Annexure-I

2.7 Manpower:

The details of the manpower sanctioned for the implementation of the project at Annexure-II

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Signature of the Project Officer
 Date: 11/01/2023
 Project Officer