



Nationwide Call for Research Proposals

'Drugs from the Sea'

A program of the Ministry of Earth Sciences, New Delhi

Coordinated by

CSIR-Central Drug Research Institute, Lucknow

Advertisement for Project proposals from Researchers in Academia

Notice

The following project proposals have been received as on 15th May 2017, the last date against the Nationwide Call for Research Proposals under 'Drugs from the Sea' program of Ministry of Earth Sciences, New Delhi.

A designated screening committee shall screen the submitted proposals and the list of project proposals shortlisted for personal discussions with the sanctioning committee shall be displayed by 15th June.

Coordinating cell of "Drugs from Sea" Project of MoES

Sn.	Name	Designation, Organization	Project Title
1.	Dr.M. Johnson	Assistant Professor in Botany Department of Botany, St. Xavier's College (Autonomous), Palayamkottai, Tamilnadu - 627002	Extraction, Isolation and Identification of Bioactive Compounds with Antibacterial, Antioxidant, Anticancer and Anti-inflammatory Potentials from Seaweeds of Tamil Nadu
2.	Dr. Renuka Kulkarni-Munshi,	Head In-charge Dept. of Clinical Pharmacology TN Medical College & BYL Nair Hospital, Dr. AL Nair Road, Mumbai Central, Mumbai 400 008	"Establishment & operation of unique in-vitro bio-assays against new/proven drug targets (molecular / cell /genomic) for bio-evaluation of compounds/ fractions obtained under the MoES program in the area of neurodegeneration"
3.	Dr. William R. Surin,	Senior Scientific Officer Dept. of Microbiology and Cell Biology Indian Institute of Science Bangalore-560012	"Evaluation of marine compounds for anti-cancer and anti-inflammatory activities"
4.	Dr. S. Elumalai,	Professor & Head Department of Biotechnology, University of Madras, Guindy Campus Chennai - 600 025, India.	EXTRACTION AND ISOLATION OF ANTIARTHRITIC COMPOUNDS (SULPHATED POLYSACCHARIDES) FROM MARINE MACROALGAE PADINA
5.	Dr. Lakshmi PTV	Associate Professor, Phytomatics Laboratory Center for Bioinformatics, School of Life Sciences,Pondicherry University Puducherry, India.	" Isolation and structural characterization of screened secondary metabolites from marine cyanobacteria as a potent anti cancer agent identified from the sea coast of Bay of Bengal
6.	Dr. Rodney A. Fernandes	Professor Department of Chemistry Indian Institute of Technology Bombay Powai Mumbai 400 076, India	"Synthesis of Marine derived Drug-like Molecules and Analogues for Bioactivity Study"
7.	Dr. K. G. Raghu,	Principal Scientist Agroprocessing & Technology Division CSIR-National Institute for Interdisciplinary Science & Technology (NIIST), Thiruvananthapuram - 695019	'CREATION AND ESTABLISHMENT OF PLATFORM FOR SCREENING OF TEST MATERIALS AGAINST INFLAMMATION AND NEURODEGENERATION
8.	Alakesh Bisai,	<i>Associate Professor of Chemistry</i>	TOTAL SYNTHESSES OF MARINE-DERIVED SESQUITERPENOIDS AND RELATED

		<i>& Chief Vigilance Officer (CVO), IISER Bhopal Bhopal Bypass Road, Bhauri, Bhopal - 462 066, MP</i>	ANALOGUES FOR THE DISCOVERY OF NEW ANTI-CANCER DRUGS
9.	Dr. N. Jaya Raju	JYOTHI EDUCATIONAL SOCIETY H.NO:- 6-4-483, 3rd Floor, Plot No:-125, MIG Phase IV, TV Colony, Vanasthalipuram – 500070, Hyderabad	Evaluation of molecular active compounds of marine algae along the Andhra Pradesh sea coast for Anti-inflammatory and Anti Cancer studies
10.	Dr. R. Kothai.,	Professor and Head, Dept. of Pharmacology, Vinayaka Mission's College of Pharmacy, Yercaud Main Road, Kondappanaickenpatty, Salem-636008	Anti-Dengue Virus Activity of Seaweeds from Southeast Coast of India”
11.	Dr Prabhat Arya	Distinguished Research Professor, Chemistry and Chemical Biology Dept of Organic and Medicinal Chemistry Dr. Reddy's Institute of Life Sciences University of Hyderabad Campus Gachibowli, Hyderabad 500046, India	"Building Natural Product-inspired Chemical Toolbox from Sub-structures of Leucascandrolide A and Neopeltolide
12.	Dr Mayur Yergeri C	Associate Dean and Professor SPPSPTM NMIMS-Deemed to be University Vile Parle West Mumbai –400056	Design and Synthesis of Arctic based Marine Derivative Ianthellene and its EGFR Inhibition Studies in Sensitive and Resistant Lung Cancer Cell Lines as Potential Future Drugs
13.	Dr K. Sathiyarayanan,	Sr. Prof. of Chemistry, VIT University	Concise Enantioselective route for the synthesis of highly cytotoxic bryostatin-5 and its analogues
14.	Dr. Sreenivasa Rao Amaraneni	<i>Associate Professor in Dept. of Chemistry School of Engineering Dayananda Sagar University (www.dsu.edu.in) Kudlu Gate, Hosur Main Road Bangalore-560068, India</i>	Bioassay-Directed Isolation and structure Elucidation of Bioactive Compounds from Bioactive Extracts of Seaweeds from West Coast of Karnataka: An Insight into Therapeutic Avenues for Treatment of Neurodegenerative Diseases

15.	Dr. Shahnawaz Khan	<i>BHUPAL NOBLES' UNIVERSITY Maharana Pratap Station Road, Sevashram Circle, Udaipur-313001,Rajasthan, INDIA</i>	Biology-oriented synthesis of highly diverse small molecules via novel chemical transformation: An effective solution for Pathologies Associated with Necroptosis
16.	<i>Dr. Jnanendra Rath</i>	<i>Assistant Professor (Stage-III) Department of Botany Visva-Bharati (A Central University) Santiniketan-731235 West Bengal</i>	"Bioactive secondary metabolites and exometabolites of marine cyanobacteria and unlocking cryptic natural product from them in search of novel anti-infectives
17.	Dr. Balaji Meriga	<i>Asst.Professor Dept.of Biochemistry Sri Venkateswara University TIRUPATI Andhrapradesh INDIA-517502 Mobile: + 91-98-490-86856</i>	PRODUCTION OF FUCOXANTHIN AND ITS DERIVATIVES BY MARINE ALGAE: ALLEVIATION OF METABOLIC SYNDROME
18.	Dr. R. Suresh	GREENSMED LABS, Plot No.298, secretariat colony, Thoraipakkam, Chennai	SCREENING AND IDENTIFICATION OF BIOACTIVE COMPOUNDS FROM MARINE SEaweEDS INHIBITING HISTONE DEACETYLASE (HDAC) FOR THE TREATMENT OF CANCER
19.	Dr. J.JANNET VENNILA	Professor & Head Department of Biosciences and technology Karunya University Coimbatore	Isolation of novel phytosterol from mangrove plant <i>Acanthus ilicifolius</i> for its therapeutic potential and hepatoprotective activities against Hepatocellular Carcinoma
20.	Dr. M. Janaki Ramaiah	<i>Assistant Professor Research School of Chemical and Biotechnology SASTRA University Thanjavur-613401</i>	BIOPROSPECTING "neglected" marine bacteria epigenetic modifiers and micro RNA modulators to target chronic lymphoid leukemia, neuroblastoma, glioblastoma: A functional genomics and proteomics based approach
21.	Dr. Manjunatha. P.Mudagal	<i>Associate Professor, Department of Pharmacology, Acharya & B.M Reddy College of Pharmacy, Acharya Dr. Sarvepalli Radhakrishnan Road, ACHIT Nagar Post, Soldevanahalli, Hessarghatta Road</i>	Sulfated Polysaccharide cytotoxic drug conjugates as anticancer <u>via the PI3K/Akt/FOXO3a, ERK/MAPK, and NF-κB signaling pathways</u>

		<i>Bangalore - 560 107, Karnataka, India</i>	
22.	Dr. N. Chandrasekaran	Centre for Nanobiotechnology VIT University, Vellore	Nanoemulsion loaded bioactive nanoparticles from marine resources for therapeutic applications
23.	Dr. K. Sathiyarayanan,	Sr.Prof. of Chemistry, VIT University	Concise enantioselective route for the synthesis of highly cytotoxic bryostatin-5 and its analogues
24.	Dr. Ajay Kumar Srivastava	<i>Scientist Medicinal & Process Chemistry Division CSIR-Central Drug Research Institute B.S. 10/1, Jankipuram Extension, Sitapur Road, PB No-173, Lucknow-226 031, U. P.</i>	Synthesis of Cyanogranamide Derivatives Towards Development of Potent Antibacterial Agents
25.	Dr. P. Sampathkumar	Associate Professor, CAS in Marine Biology, Faculty of Marine Sciences, Annamalai University Parangipettai-608 502Tamil Nadu	
26.	Dr.B.Jaykar	Vinayaka Mission's College of Pharmacy, Yercaud Main Road, Kondappanaickenpatty, Salem - 636 008	Isolation, Characterization and Anti cancer potential of Marine Actinomyces Species
27.	Dr. T. SELVANKUMAR	HEAD, DEPT. OF BIOTECHNOLOGYMAHENDRA ARTS & SCIENCE COLLEGE KALIPPATTI NAMAKKAL-TAMIL NADU	Pharmaceutical applications of Bio-responsive compounds isolated from seaweeds and marine molluscs
28.	Dr. G. Sudhakar	Department of CPC (Organic Chemistry-II) CSIR-Indian Institute of Chemical Technology (CSIR-IICT) Tarnaka, Hyderabad-500 007, INDIA	Design and synthesis of anticancer agents from substituted salicylic group containing marine and related natural products
29.	Dr Sajal Kumar Das	Assistant Professor Dept. of Chemical Sciences Tezpur University, Tezpur	Design and Synthesis of Ring-Modified Analogues of Anticancer Marine Natural Product Ammosamide B

		Assam - 784028 India	
30.	Dr Kiranam Chatti,	<i>Principal Research Scientist Dr. Reddy's Institute of Life Sciences, University of Hyderabad Campus Gachibowli, Hyderabad - 500046, India</i>	Screening and identification of mRNA splicing modulators for potential therapeutic applications
31.	Dr. Mausumi Bharadwaj,	Scientist F (Sr.Deputy Director) & Co-ordinator Molecular Biology Group National Institute of Cancer Prevention & Research Indian Council of Medical Research (ICMR) I-7, Sector 39, Noida, INDIA	
32.	Dr. Ravi.R	Professor S.B.College of Pharmacy Sivakasi - 626 130Virudhunagar D.T Tamil Nadu.	STUDIES ON CHEMICAL CONSTITUENTS AND BIOLOGICAL ACTIVITIES OF MARINE SPONGES
33.	Dr.T. SELVANKUMAR	<i>HEAD DEPT. OF BIOTECHNOLOGY MAHENDRA ARTS & SCIENCE COLLEGE KALIPPATTI NAMAKKAL- 637 501 TAMIL NADU INDIA</i>	Pharmaceutical applications of Bio-responsive compounds isolated from seaweeds and marine molluscs
34.	Dr. Sisir Nandi	<i>Global Institute of Pharmaceutical Education and Research (GIPER), Kashipur- 244713, District: U.S.Nagar, Uttarakhand, India</i>	Design and synthesis of marine sponge derived hymenialdisine analogs as potential protein kinase inhibitors
35.	Dr. SK. MASTANAMMA	<i>Department of Pharmaceutical Analysis, University College of pharmaceutical science,</i>	Isolation, Characterisation and Biological Evaluation of Bio-Active Compounds from Seaweeds of Eastern Coastal Region

		<i>Acharya Nagarjuna University, Nagarjunanagar, Guntur-522510</i>	
36.	Dr. Anuradha M	Principal, Padmashree Institute of Management and Sciences Bangalore	Identification and evaluation of novel therapeutic metabolites from west coast marine endophytes of Karnataka
37.	Dr. Malarkodi Velraj	<i>Department of Pharmacognosy, School of Pharmaceutical Sciences, Vels University, Pallavarm, Chennai -117. Tamilnadu 12.05.2017</i>	Morphological, Molecular characterization and screening the therapeutic efficacy of lead compounds isolated from marine brown. Algae
38.	Dr S. Suresh Kumar, Ph.D.	Professor in Biological Oceanography Director, School of Ocean Sciences and Technology Kerala University of Fisheries and Ocean Studies Panangad, 682 506, Kerala, INDIA	
39.	Dr M K Barthwal	<i>CDRI Lucknow</i>	BIOLOGICAL EVALUATIONS, DISCOVERY OF NOVEL BIOACTIVE COMPOUNDS & COORDINATION OF THE MOES PROJECT “DRUGS FROM SEA”
40.	Dr M. Anand, PhD	Asst., Professor, Department of Marine and Coastal Studies School of Energy Sciences, Madurai Kamaraj University Madurai - 625 021	Extraction and Characterization of Bioactive Compounds from Bacterioneuston Isolates of Small Micro Layer (SML) at Air-Sea Interface
41.	Dr Srinivasa Rao Scientist	<i>Pharmacology & Toxicology CSIR-IICT, Tarnaka, Hyderabad-07</i>	Studies on Endophytic Fungi of Marine Mangroves from Coringa Wildlife sanctuary, Kakinada for Bioactive Compounds
42.	Dr. Prasenjit Mitra	Dr Reddy's Institute of Life Sciences, University of Hyderabad Campus, Hyderabad	Screening for Inhibitors of Mitochondrial Permeability Transition to Prevent Myocardial Ischemia-Reperfusion Injury”

43.	Dr. S. Ram Kumar Pandian	Assistant Professor (Senior) Department of Biotechnology Kalasalingam University Krishnankoil-626126 Tamilnadu.	<i>Marine cyanobacterial cyclic peptide as immunomodulator and anti-cancer agent</i>
44.	Dr. Satish V. Patil *	Assistant Professor School of Life Sciences, North Maharashtra University, P.O.Box. 80, Umavi nagar, Jalgaon-425001 (MS), India	Evaluation of marine microbial pigments as microbicide
45.	Dr Biswarup Basu (PI)	Amity University Sector - 125,Noida	Isolation, characterization and evaluation of therapeutically important anticancer compounds from spermathecal gland extract of marine mollusk <i>Telescopium telescopium</i> targeting cancer cells, immune cells and stem cells in breast cancer
46.	Dr. Ch. Raji Reddy	Principal Scientist Natural Products Chemistry Division CSIR-Indian Institute of Chemical Technology Tarnaka, Hyderabad-500 007	<i>Synthesis of Diketopiperazine-Based Marine Alkalooids towards Evaluation of Anticancer Activity: 18-Oxotryprostatin A & 6-Methoxyspirotryprostatin B and their analogues</i>
47.	Dr. S. Balarama Kaimal	Asst Professor, Dept of Biochemistry Saveetha Medical College & Hospital Saveetha University Chennai- 602 105	Development of neuroprotective, anti-microbial, anti-parasitic and anti-cancer drugs from seaweeds and marine sponges of Indian seas
48.	Dr. Prathama S. Mainkar	Med. Chem. & Biotech. Division, IICT, Hyderabad	Design, Synthesis and Biological studies of Pyrrole containing marine natural products and analogues
49.	Dr. P. Srihari	Principal Scientist Division of Natural Products Chemistry CSIR-Indian Institute of Chemical Technology Hyderabad - 500007	<i>Synthesis of tetrahydrofurano analogues of pseudomonic acid A as antibacterial agents</i>
50.	Dr. Raghu Chandrashekar H.	Associate Professor Department of Pharmaceutical Biotechnology	Anti-Herpes Simplex Virus Biomolecules Isolated from Actinomycetes of Marine Origin

		MCOPS, Manipal University, MANIPAL 576104	
51.	Dr. Ashutosh Srivastava,	Assistant professor and coordinator – AIMST, AUUP, Noida	Isolation and characterization of potential drug candidate from marine copepods against oral, breast and cervical cancer”
52.	Dr. Swetha S Contact No. 9741887660	Assistant professor, Centre for Incubation, Innovation, Research and Consultancy, Jyothy Institute of Technology, (CIIRC-JIT), Tataguni, off Kanakapura Road, Bengaluru- 560082	Isolation of Medicinally Important Bio- molecules from Marine Microbial Flora Associated with Ship Keel Moored across Ports on Indian Coast
53.	Dr.M.Manikannan	Scientist C Centre for Drug Discovery and Development Col.Dr.Jeppiaar Research Park Sathyabama University, Chennai	In-vitro screening and evaluation of compounds from repository of marine resources for Antiviral (Dengue and HSV), Antimycobacterial and Immunomodulatory properties
54.	Dr. Rambabu Chegondi	Senior Scientist Organic & Biomolecular Chemistry Division CSIR-IICT, Hyderabad	Total synthesis of of hamigerans and their analogues
55.	Dr. S. Jackson Durairaj,	Scientist C, Molecular & Nanomedicine Research Unit, International Research Centre, Sathyabama University, Chennai – 600119.	<u>Isolation, screening and characterization of bioactive compounds from marine sponges that induces regeneration and wound healing in animal models</u>
56.	Dr. Manohar J. Patil	<i>Marathwada Mitra Mandal's College of Pharmacy, Sr. No.4/17, Sector No.34, PCNTDA, Off Kalewadi Phata- Pimpri Road, Thergaon, Pune- 411033</i>	Bioprospecting of Potential Molecules for the Treatment of Neurodegenerative Diseases from Mangroves of Indian Western Coast”
57.	Dr.T.Selvankumar	Professor & Head PG & Research Department of Biotechnology Mahendra Arts & Science College (Autonomous)	Pharmaceutical applications of Bio- responsive compounds isolated from seaweeds and marine molluscs

		Kalippatti, Namakkal, Tamil Nadu	
58.	Dr. Subha Narayan Rath,	Asst. Professor, Biomedical Engineering, Indian Institute of Technology Hyderabad, Near NH-9, Kandi, Sangareddy-502285, Telangana, India.	3D Chitin-based natural skeleton scaffolds from Indian marine sponges for development of bioengineered scaffolds to repair cartilage defects
59.	Dr. P Radha Krishna,	Chief Scientist Division of Organic & Biomolecular Chemistry CSIR-Indian Institute of Chemical Technology Tarnaka, Hyderabad	Synthesis of NCEs based on Bromo-Pyrrole Alkaloid Inspired Scaffolds towards Protozoan Parasites
60.	Dr.K.Arunkumar	Associate Professor Department of Plant Science School of Biological Sciences Central University of Kerala Riverside Transit Campus Padanakkad-671 314 Kasaragod,Kerala, India	Screening of antiangiogenic compounds from seaweeds occurring along the coasts of Gulf of Mannar and Arabian sea for anti-cancer drug development using <i>in vitro</i>, <i>in-ovo</i> and <i>in-vivo</i> model systems
61.	Dr. T.S. Murali	Associate Professor Division of Biotechnology School of Life Sciences Manipal University Manipal 576104 Karnataka INDIA	High throughput <i>in vitro</i> analysis for inhibitors of quorum sensing and multidrug resistance biofilm forming microorganisms”
62.	Dr. M. P. Mahajan	Professor Sinhgad Technical Education Society's Smt. Kashibai Navale College of Pharmacy, Kondhawa (Bk) Pune	Collection, taxonomical identification, extraction and isolation of chemical constituents and development of novel antimicrobial drugs from organisms occurring in Indian marine waters
63.	Dr. A. Venkat Narsaiah	Senior Scientist Organic & Biomolecular Chemistry Division, CSIR - Indian Institute of Chemical Technology. Tarnaka - Hyderabad- 500007	Synthesis of Novel Chemical Structures from Marine Natural Products: Discovery of Cytotoxic and Vasodilator Agents
64.	Dr B V Subba Reddy	HoD & Senior Principal Scientist Center for Semiochemicals CSIR-Indian Institute of Chemical Technology Tarnaka, Uppal Road	Synthesis of Natural Products Inspired Library of Tetramic Acids

		Hyderabad - 500007	
65.	H.M.Sampath Kumar	Sr. Principal scientist NPC Division, CSIR-IICT	<i>Design and synthesis of marine natural product like focused libraries of novel ceramide analogues for cancer chemo/immunotherapy</i>
66.	Dr. Lingaiah Nagarapu	Principal Scientist, CSIR-IICT, Hyderabad	HDAC inhibitors from Marine Invertebrates
67.	Dr B. Nagendra Babu	Sr. Scientist CSIR-IICT	Pyrroloazepine Marine Natural Products: Synthesis of hymenialdisinesanalogues as possible anticancer agents "
68.	Dr. Rajesh Chandra	CSIR-IICT	Marine Natural Products Belonging to Indole and Bisindole Alkaloid Class: Synthesis and Library Generation"
69.	Dr. M. Gnanadesigan	Assistant Professor Department of Microbial Biotechnology School of Biotechnology & Genetic Engineering Bharathiar University Coimbatore 641 046 Tamilnadu	<i>Investigation of schizonticidal and transmission-blocking compounds from the mangrove and sea grass associate Actinobacteria along Palk Strait, South East coast of India, towards the extinction of malaria</i>
70.	Dr. Rajkumar Halder	Associate Professor Amity Institute of Click Chemistry Research and Studies Amity University Noida- 201303, Uttar Pradesh, India	Development of novel antibiotic/s for multi-drugs resistance pathogenic bacterial strains based on marine fungal metabolite berkeleylactons – A, and identify its mechanism of action
71.	Dr.Radhika Rajasree S.R.	Scientist E & Head, Centre for Ocean Research, (SU-NIOT Joint Initiative Research Centre) Sathyabama University, Chennai -600 119	Isolation and Structural elucidation of novel gangliosides from selected echnoides with investigation on their anticancer and anti inflammatory properties"
72.	Dr. Hetal Roy	Assistant professor Department of Zoology Faculty of Science The M.S. University of Baroda Vadodara 390 002, Gujarat	Cnidarian taxonomical identification and extract preparation from of Western coast Gujarat for Bioprospecting
73.	Dr VGM Naidu	Associate Professor Department of Pharmacology & Toxicology NIPER Guwahati	In-vitro biological screening facility for evaluating therapeutic activity of novel bioactive molecules from the marine resource

74.	Dr.S.Johnson Retnaraj Samuel	<i>Scientist 'C'</i> <i>Molecular & Nanomedicine Research Unit,</i> <i>Centre for Nanoscience & Nanotechnology,</i> <i>Sathyabama University,</i> <i>Chennai – 600 119.</i> <i>Tamilnadu, India</i>	Isolation of wound healing and regeneration specific small molecule from marine worms Capitella teleta and its gut microbes'
75.	Dr. K.M.Saradhadevi	Assistant Professor Department of Bio-chemistry Bharathiar University Coimbatore - 641 046	Bio prospecting mangroves for exploration of bioactive compounds from Muthukuda mangroves in Tamil Nadu
76.	Dr. S. Peruncheralathan	Reader - F School of Chemical Sciences National Institute of Science Education and Research (NISER) Bhubaneswar Jatni Campus Khurda-752050, INDIA	Synthesis and Bioactivity Screening of Natural and Unnatural Indole Alkaloid Phidiamidines
77.	Dr. C. Saravana Babu,	<i>Associate Prof & Coordinator</i> <i>Central Animal Facility</i> <i>Dept of Pharmacology, JSS</i> <i>College of Pharmacy</i> <i>JSS University, S.S. Nagar,</i> <i>Mysuru - 570015</i>	Scientific evaluation on the role of fucoxanthin enriched fraction of Sargassum wightii, a brown marine alga, in the prevention of early vascular ageing and endoplasmic reticulum stress in hypertensive rats'
78.	Dr. B. K. Bettadaiah	Senior Scientist, Spice and Flavour Science Department, CSIR-Central Food Technological Research Institute, Mysuru - 570020, India	Synthesis of chemical scaffold library of marine chitooligosaccharide and its bioconjugates with bioactive phytochemicals: Evaluation of epigenetic targets and metabolic regulations in breast cancer.