



Dr. C. Stella
Professor and Head

Contact

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Academic Qualifications: M.Sc., Marine Biology and Oceanography
M.Phil. Marine Biology and Oceanography
Ph.D. Marine Biology

Teaching Experience: 18 Years

Research Experience: 25 Years (including Ph.D research period)

Additional Responsibilities

1. Coordinator: SAP-DRS-1
2. Warden: PG Hostels Thondi campus

Areas of Research

Marine Biology: Biodiversity,
Ecology- EIA and Molluscan Taxonomy & Biology

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	9	6
	M.Phil.	14	-
Project	PG	73	1
	UG / Others	4	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
25	12	22	10	3/6/1

Cumulative Impact Factor (as per JCR) :

h-index	:	13
i10 index	:	23
Total Citations	:	817

Funded Research Projects

Completed Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	DCIL Govt. of India	2005-June	2005 Oct	Sethusamudram ship channel Project-Environmental impact monitoring Programme.	73.0
2	MoEF-GEF-UNDP	2007	2009	Critical Assessment of the Pearl Oyster Status ,Prevailing Threats and Development Strategies for Management.	16.57
3	MoEF-GEF-UNDP	2007	2008	Present status distribution and threats of Scheduled mollusks in Mandapam and Kilkarai group of islands	9.96

4	UGC -MRP	2011	2014	Reproductive biology of Pen shell of <i>Atrina lamellate</i> under suspension culture	8.82
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Ongoing Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	Ministry of Environmental Forest and ClimateChange	2016	2019	Taxonomy of <i>Cheatonatha species</i>	35
2	UGC-SAP	2015	2020	Conservation and Sustainable Development of Marine Resources in Palk Bay	97.97

Consultancy Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	WAPCOS-Haryana New Delhi Water and power supply consultancy service	2005	2007	Marine EcologicalSurvey-Fishing harbour-Thondi, Muthupettai,Mookayur andSethuvbhavasatram Portblair, Andaman,jetty, cement, plant near,Jafrabad, Gujarat,Development of Port in Kakinnada	8.10
2	WAPCOS-Haryana New Delhi Water and power supply consultancy	2009	2011	Development of VascoBay, Beak water and Vaikam Bay-Marmugao Port Trust. Modernization of fishing Harbour at, Pondicherry and Karikal Marine Ecological Survey for the Proposed Helipad at Little Nicobar and the construction of houses in Gol Tikry at Great Nicobar, Andaman	7.15

(Budget rounded two decimal places)

Patents

1. **Identified** New Distributional Records of 67 Species of Bivalves and Registered and Deposited in the Zoological Survey of India, Chennai

2. **Recorded 14 unidentified** New species from Malleidae family ,15 unidentified New species from Isogonomonidae family of class Bivalve and 16 unidentified New species from Strombidae family of Class –Gastropoda

Distinctive Achievements / Awards

1. Received Cash award for Novel Idea Scheme , Central Electrochemical Research Institute, Karaikudi 1996 – DST, CSIR, CECRI.
2. Received Second Prize for Young Scientist Award for best paper presentation competition, CSIR Foundation day celebrations on 26.9.1997, CECRI, Karaikudi
3. Received Best Research Advisor Award in Marine science, 7-8th Feb 2013
4. Received Distinguished Faculty Award for the Contribution and Achievement in the Field of Marine Biology- 9th July 2016.

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized
National level -8
International level -2

Events Participated

Conferences / Seminars / Workshops: 66

Other Training Program: 10

Overseas Exposure / Visits

1. Visited **Phuket Marine Biological Centre (PMBC)**
2. Visited **National University of Singapore.**
3. Visited the **Marine Biological station at Bangkok & Hong Kong.**

Membership in

Professional Bodies

Life Member: Journal of Marine Biological Association of India
Journal of Aquatic Biology
Aquatic Biodiversity Conservation Society
Journal of Environmental Biology

Editorial Board

1. **C.Stella and J.Sesh serebiah (2004)**. As Author : Manual on the identification of Fishes From Palk Strait and Gulf of Mannar” page No: 1- 133, 2004. **Monograph** Alagappa University.
2. **C.Stella (2007)**. As Editor: Proceeding of the National Seminar on “Ecological Balance and Sethusamudram Canal” page No:1-144 Proceeding of National Seminar

Academic Bodies (such as Board of Studies etc.,)

1. Chairman –School of Marine Science
2. Chairman –Board of Studies-M.Sc Oceanography &CAS and Applied Geology
3. Member –Standing committee, Alagappa University
4. Member- Senate, Alagappa University
5. Chairman –PG Examination board
6. Chairman –Department Research Committee
7. Member – Purchase committee

Others

Member of BOBIS-INDOBIS-Bay of Bengal-Biogeographic Information System ,Network on Bar-coding of Marine Life

Chairman - Board of studies –B.Sc Marine Biology

Selection Committee member -Lecturer recruitment in the Department of Oceanography and Coastal Area Studies, Alagappa University, Karaikudi.

Resource persons in various capacities

Number of Invited / Special Lectures delivered: 20

Others

1. No. of PhD Thesis evaluated : 25
2. No. of PhD Public Viva Voce Examination conducted : 25

Recent Publications

1. **Stella.C**, S.Vijayalakshmi and A.Murugan 2010 .Two New distributional records of bivalve species of Family: Spondylidae from Mandapm area , South east –Coast of India . *Journal of Ecology and Fisheries .Vol.3 (2):13-16. ISSN:0974-6323*
2. **Stella .C**, S.Vijayalakshmi and A.Murugan 2010. Four New distributional records of bivalve species of Arcidae family from Palk Bay and Mandapm area ,South east – Coast of India . *Journal of Aquatic Biology vol., 25 (2):18-21.ISSN:0971-4235*
3. **Stella,C.,** D.Chellaiyan, C.Balalakshmi and S. Vijayalakshmi 2010 ·New Record of Pen Shells (Bivalvia: Pinnidae)from Seagrass beds of Palk Bay Area in Tamil Nadu. *Journal of. Seaweed Research and Utilizatio,Vol.32.No.1&2 pp185-188. ISSN:0971-7560.*

4. **Stella, C. D.Chellaiyan, R.Ravichandran and S.Vijayalakshmi, 2010.**New distributional occurrence of four bivalve species of Arcidae from Palk Bay and Mandapam area –south east coast of India. ***Journal of Ecology and Fisheries. Vol 4(1):45-48. ISSN:0974-6323.***
5. **Stella .C, S.Vijayalakshmi and M.Kalaiarasi 2011.**New distributional records of Winged shells (Bivalvia:Pteriidae) form Palk Bay area in Tamil Nadu. ***Ecology and Fisheries .Vol.4(1): 49-52; ISSN:0974-6323.***
6. **Stella.C and C.Balalakshmi 2011.** Using SEM studies on the radular morphology of *Chicoreus* species (Gastropods:Muricidae) collected from Palk Bay in Tamil Nadu-South East Coast of India. ***Journal of Ecology and Fisheries. Vol .4 (2):73 -78. ISSN:0974-6323.***
7. **Stella.C and M.Kalaiarasi 2011.** New Distributional Records of Cockles shells (Bivalva:Cardiidae) from seagrass beds of Palk Bay In Tamil Nadu -South- East coast of India. ***Journal of Ecology and Fisheries ,Vol.(2) : 67 – 72; ISSN:0974-6323***
8. **Jaikumar, M. D.Chellaiyan, L.Kanagu, P.SenthilKumar and C.Stella.2011.**Distribution and succession of aquatic macrophytes in Chilka Lake – India. ***Journal of Ecology and the Natural Environment Vol. 3(16), pp.499-508 ; ISSN:2006-9847***
9. **Stella,C. R.Ravichandran, M.Thayalan and D.Chellaiyan.2011.** New Records of Bivalve Species from Sea grass Beds of Palk Bay area in Tamil Nadu. ***Journal of Ecology and Fisheries,Vol.5(1),pp 23-28. ISSN:0974-6323***
10. **Stella.C. 2012.** Biodiversity of Molluscan Fauna in Gulf of Mannar Biosphere Reserve area in Tamil Nadu, India. ***Proceeding of National conference on Emerging Trends in Fisheries and Aquaculture , pp 27-38.***
11. **Stella.C, R.Ravichandran, P.Paul, C.Lathasumathi and D.Chellaiyan.2012.** Ecology and Occurrence of *Chicoreus virgineus ponderosus* and *Siratus virgineus ponderosus* (Gastropoda: Muricidae) from Thondi coast , Palk strait in Tamil Nadu. Proceeding of National conference on Emerging Trends in Fisheries and Aquaculture , pp81-94
12. **C.Stella, D.Chellaiyan, C.Latha Sumathi, A.Priya and R.Ravichandran.2013** Length –weight relationship and allometry of *Chicoreus virgineus ponderosus* and *Siratus virgineus ponderosus* (Gastropoda:Muricidae) from Thondi coast, Palk Bay in Tamil Nadu’ *Advances in Aquatic Ecology . by Astral International Private Limited, Daryaganj, New Delhi. Vol. 8. PP. 142-153; ISBN:9789351300878*
13. **C.Stella, R.Ravichandran, M.Thayalan and D.Chellaiyan2013.**‘New Records of bivalve species from sea grass beds of Palk of Bay area in Tamil Nadu’ *Advances in Aquatic Ecology by Astral International Private Limited,Daryaganj,New Delhi. Vol.8. PP.136-141; ISBN:9789351300878*
14. **R.Ravichandran, C.Lathasumathi, D.Chellaiyan, A.Priya and C.Stella.2013** ‘Seasonal changes in proximate composition of muricids species of *Chicoreus virgineus ponderosus* and *Siratus virgineus ponderosus* from Palk Bay in Tamil Nadu’ *Advances in Aquatic Ecology by Astral International Private Limited, Daryaganj, New Delhi. Vol. 8.PP.121-135.; ISBN:9789351300878*
15. **M.Kalaiarasi, C.Latha sumathi, A.Priya,D.Chellaiyan and C.Stella.2013.**‘Seasonal variation and abundance of microzooplankton in the coastal waters of Palk Strait Tamil Nadu’. *Advances in Aquatic Ecology by Astral International Private Limited, Daryaganj,New Delhi. Vol 8: PP : 105-120; ISBN:9789351300878*

16. **R.Ravichandran,D.Chellaiyan,C.Lathasumathi,A.Priya and C.Stella**2013. Age and growth of *Chicoreus virgineus ponderosus* and *Siratus virgineus ponderosus* (Gastropoda:Muricidae) from Thondi coast, Palk Bay in Tamil. Advances in Aquatic Ecology by Astral International Private Limited, Daryaganj, New Delhi. (Volume 8) PP:81-92; ISBN:9789351300878
17. **J.Sesh Serebiah, M.Rajkumar, M.M.Rahman, M.K.Abu Hena, A.Saravanakumar & C.Stella**.2013. GIS based assessment of benthic faunal resources in Thondi Coastal area,Palk Bay,South East Coast of India'. Advances in Aquatic Ecology published by Astral International Private Limited, Daryaganj, New Delhi. Vol.8;PP: 47-74; ISBN:9789351300878
18. **C.Stella** 2015.Diversity and conservation of molluscan fauna with special reference to Gulf of Mannarand Palk Bay .Journal of ecology and fisheries vol.8 (1):1-7
19. **C.Stella** 2015.Taxonomy of Chaetonatha and its diversity and distribution in India. Zoological Survey of India, Port Blair, PP 253-261; ISBN:978-81-8171-414-5
20. P.Kavitha, R.Ramesh, M.R.Rajan and **C.Stella** (2015) Synthesis and Characterization of Cerium Oxide Nanoparticles by Using Rapid Precipitation Method. Indian Journal of Research.Volume:4,Issue:12PP.91-93; **ISSN - 2250-1991**
21. **C.Stella (2016)**.Present status and distribution of molluscan fauna in Gulf of Mannar. Current status of faunal diversity in India, Zoological Survey of India, Port Blair, ISBN ;978-81-8171-447-3; PP220-228
22. C.Stella 2016 Present status and distribution of molluscan fauna in Gulf of Mannar” Zoological survey of India, Estuarine Biology Regional centre ,Gopalpur-On-Sea,Odisha
ISBN 978-81-8171-447-3;PP 220-228.
23. **Stella, A.Murugan and S.Vijayalakshmi** (2009). New distributional records of *Malleus anatinus* (Lamarck,1819)Family: Malleidae from Mandapam Area –**South East Coast of India. European journal of Biological Science. 1(2);15-16. ISSN: 2079-2085**
24. Nobi, E.P,R.Umamaheswari, **C.Stella** and T.Thangaradjou(2009). Land use and land cover assessment along Pondicherry and its surroundings using Indian Remote sensing Satellite and GIS. **American – Eurasian journal of Scientific Research .4 (2) 54-58. ISSN: 1818-6785**
25. **Stella,C** , J.Seshserebiah and J.Siva (2010). New distributional records of *Placuna ephippium*(Reizius,1788)Family: Placunidae from Mandapam area - Southeast coast of India . **World journal of Fish and Marine science 2(1):40-41. ISSN: 2078-4589**
26. **Stella,C** , S.Vijayalakshmi and J.Siva (2010) .Two New records of Bivalve species of Mytilidae family from Palk Bay and Mandapam Area –South East Coast of India. **Global journal of Environmental Research 4(1): 40-42. ISSN:1990-925X**
27. **Stella .C, A.Murugan and S.Vijayalakshmi** (2010). New distributional records of *Hyotissa hyotissa* (Linnaeus, 1758),Family : Gryphaeidae from Mandapam area, South east –Coast of India.**World journal of Fish and Marine science 2(1):42-43. ISSN: 2078-4589**
28. Kanagu.L,P.Senthilkumar,**C.Stella** andM.Jaikumar.(2010).Water quality assessment of shrimp culture ponds located in Thondi coastal area ,Palk strait ,South East Coast

- of India. **World journal of Fish and Marine science** , 2 (3):193 -199. ISSN: 2078-4589
29. Kanagu, L., P. Senthil Kumar, **C. Stella** and M. Jaikumar. (2010). Effect of Vitamins C and E and B-1, Gulcan as immunomodulators in *P. monodon* Disease management. **Middle –East Journal of Scientific Research** 6(5) : 537-543. ISSN:1990-9233
 30. M. Jaikumar, R. Ramkumar, L. Kanagu, P. Senthil, **C. Stella** and Hari muraleedharan (2010). Corrosion Behaviour of Mild Steel in Putrid Seaweed System at Thondi Coastal Area-(Palk Bay) Southeastern Coast of India. **World Applied Sciences Journal** 11 (7): 791-802, ISSN: 1818-4952
 31. **C. Stella**, S. Vijayalakshmi and C. Balalakshmi (2011). Four New distributional records of Bivalve species of Pectinidae family from Mandapam area –South east coast of India. **Proceedings of International conference on Biodiversity and Aquatic Toxicology**. PP. 17 -20.
 32. **C. Stella**, M. Kalaiarasi and C. Balalakshmi (2011). New Distribution of *Siratus virgineus ponderosus* (Sowerby, 1879) Family Muricidae, in Mandapam Coast, India. **World Journal of Zoology** 6 (4): 331-333; ISSN:1817-3098
 33. M. Jaikumar, L. Kanagu, **C. Stella** and B. Gunalan (2011). Culturing a rabbit fish (*Siganus canalicullatus*) in cages: A study from Palk Bay, South East Coast of India. **International Journal of Water Resources and Environmental Engineering Vol. 3(11)**, pp.251-257 ; ISSN:1991-637X
 34. Kalaiarasi, P. Paul, C. Lathasumathi and **C. Stella** (2012). Seasonal Variations in the Physico-Chemical Characteristics of the Two Coastal Waters of Palk-Strait in Tamil Nadu, India **World Journal of Zoology** 6 (2): 66-74, 2012; ISSN: 1990-925X
 35. R. Ravichandran, D. Chellaiyan and **C. Stella**. (2013). Using SEM technique in describing the morphology of Radula of *Chicoreus virgineus ponderosus* and *Siratus virgineus ponderosus* (Gastropoda: Muricidae) from Thondi Coast, Palk Bay-Tamil Nadu -South East Coast of India. **World journal of Fish and Marine science-Accepted**. 5 (2): 182- 187, ISSN 2078-4589
 36. Muthusamy Ravichandiran, Selvam Thiripurasalini, Vaithilingam Ravitchandirane, Srinivasa Gopalane and **Chelladurai Stella** (2013). Chemical constituents and anti-tuberculosis activity of ink extracts of cuttlefish, *Sepiella inermis* . **Journal of Coastal Life Medicine** ; 1(4): 253-257
 37. **Stella, C.**, Latha sumathi, C., Chellaiyan, D and Paul, P. (2014). Using SEM technique in describing the morphology of radula of two forms of *Chicoreus ramosus* (Gastropoda: Muricidae) in Palk bay -south east coast of India. **International Journal of Current Zoological Research - Vol.2, Issue, 1**, pp.01-04.
 38. **Chelladurai Stella**, Packiam Paul and Chelladurai Rangunathan (2015). Three New distributional records of Pen Shells (Bivalvia: Pinnidae) from Seagrass beds of Palk Bay Area in Tamil Nadu. **Sustainability, Agri, Food and Environmental Research**, 2015, 3(1): 17-25 ISSN: 0719-3726 17
 39. **Chelladurai Stella**, Packiam Paul and Chelladurai Rangunathan (2015). Describing the Radular morphology by using SEM in *Muricanthuskuesterianus* (Tapparone-canefri 1875) Family: Muricidae, from Palk Bay-South East Coast of India. **Sustainability, Agri, Food and Environmental Research**, 2015, 3(1): 26-33. ISSN: 0719-3726 26
 40. Patricio De Los Ríos Escalante¹, Mariadoss Kalaiarasi, Packiam Paul and **Chelladurai**

Stella.(2016) Faunistic studies on Macrozooplankton at Sundarapandian pattinam and Manamelkudi, Both locations along Palk strait, Tamil Nadu, India (9-10°n, Arabian sea)
Crustaceana 89(10) 1149-1160 E-ISSN: 1568-5403;**Impact value** 0.66

BOOKS PUBLISHED NATIONAL / INTERNATIONAL

1. Stella .C and S.Vijayalakshmi (2012). Book Title “**Diversity of Bivalves –Palk Bay “ Published – Lap Lambert Academic Publisher-Germany: ISBN : ISBN:978-3-659-11730-5**
2. Senthil Kumar.P and C.Stella.(2012).Book Title “ Horse mussel *Modiolus modiolus* as a biological indicator”. **Published -Lap Lambert Academic Publisher- Germany : ISBN [978-3-659-11346-8](#)**
- 3 R.Ravichandran and C.Stella(2012) Taxonomy and Biology of Chicoreus species(Class: Bivalvia:Family :Muricidae) from Thondi coast –Palk Bay in Tamil Nadu. **Lap Lambert Academic Publisher-Germany ISBN: 978-3-659-19516-7.**