


NAME	Shagnika Das	
DESIGNATION	Assistant Professor- I	
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RESEARCH INTERESTS	Ecotoxicology, trace metals, coastal pollution, plankton physiology, organic pollutants, sediment contamination.	

EDUCATIONAL QUALIFICATIONS:

Name of College / University	Degree	Year
National Taiwan Ocean University, Taiwan and University of Lille, France	Co-tutorial PhD in Marine ecology	2015-2019
University of Calcutta	M. Sc in Marine Science	2011-2013
University of Calcutta	B. Sc (Hons) Botany	2008-2011

Title of Ph.D. thesis: Effect of environmental factors on the eco-physiology and life traits of a macro-crustacean (shrimp) and micro-crustacean (copepod)

EXPERIENCE (in chronological order): Total 20 Years Research & Teaching

Designation	Type of post held (teaching/ research)	Name of the Institute	Year (From – To)
Postdoctoral researcher	Research and Part-time teaching	LOG- Laboratory of Oceanology and Geosciences, Marine Station of Wimereux University of Lille, France	2021 - 2023
Collaborative researcher	Research	LASIRE- Laboratoire de Spectrochimie Infrarouge et Raman, Chevreul Institute, Lille, France	2019 – 2021
Project research	Research	National Museum for Marine Biology and aquarium (NMMBA) National Dong-Hua University, Taiwan	2017 - 2018
Visiting research scholar	Research and Part-time teaching	School of life sciences, University of Shanxi, China.	2016 - 2017
Collaborative researcher	Research	Institute of Marine biology, Sea turtle Lab, National Taiwan Ocean University, Taiwan	2015-2016
Project Assistant II	Research	National Institute of Oceanography, Goa, India	2013 - 2014

No. of Ph.D. students supervised

0

No. of Post-Doc

0

No. of M. Tech. Students supervised:

0

No. of B. Tech. Students supervised:

0

PUBLICATIONS
(mention total no. here)

9 (details in Annexure I)

PATENTS (<i>total no.</i>)	0
RESEARCH PROJECTS Completed: (<i>total no.</i>) Ongoing: (<i>total no.</i>)	3 (details in Annexure I)
AWARDS & HONOURS/ DISTINCTIONS/FELLOWSHIPS	11 (details in Annexure I)
MEMBERSHIP with Professional/ Academic bodies	Nil

Annexure I

Peer Reviewed Publications-

2023-

Das S., Lizon F., Gevaert F., Bialais C., Duong G., Ouddane B., Souissi S. Assessing indicators of arsenic toxicity using variable fluorescence in a commercially valuable microalgae: physiological and toxicological aspects, **Journal of Hazardous Materials**, 2023, 131215, <https://doi.org/10.1016/j.jhazmat.2023.131215>.

Impact factor- 14.22

2022-

Das S., Souissi A., Ouddane B., Hwang JS., Souissi S. (2022). Trace metals exposure in three different coastal compartments show specific morphological and reproductive traits across generations in a sentinel copepod. **Science of the total environment** Volume 859, Part 2, 10 February 2023, 160378. <https://doi.org/10.1016/j.scitotenv.2022.160378> ORCID ID- <https://orcid.org/0000-0001-6157-6933>. **Impact factor- 10.75**

Das S., Ouddane B., Souissi S. (2022). Responses of the copepod *Eurytemora affinis* to trace metal exposure: a candidate for sentinel to marine sediment resuspension effects. *Marine Pollution Bulletin*, 181(113854).

<https://doi.org/10.1016/j.marpolbul.2022.113854>. **Impact factor- 7.001**

Das S., Gevaert F., Ouddane B., Duong G., Souissi S. (2022). Single toxicity of arsenic and combined trace metal exposure to a microalga of ecological and commercial interest: *Diacronema lutheri*, *Chemosphere*, 291 (2), 132949.

<https://doi.org/10.1016/j.chemosphere.2021.132949>. **Impact factor – 8.94**

2020-

Das S., Ouddane B., Hwang J-S, Souissi S. (2020). Intergenerational effects of resuspended sediment and trace metal mixtures on life cycle traits of a pelagic copepod. **Environmental Pollution** 267, 115460. <https://doi.org/10.1016/j.envpol.2020.115460>.

Impact Factor – 9.98

Das S, Aria A, Cheng J-O, Souissi S, Hwang J-S, Ko F-C (2020). Occurrence and distribution of anthropogenic persistent organic pollutants in coastal sediments and mud shrimps from the wetland of central Taiwan. **PLoS ONE** 15(1): e0227367. <https://doi.org/10.1371/journal.pone.0227367>. **Impact factor- 3.75**

2019-

Tseng L-C, Huang S-P, **Das S**, Chen I-S, Shao K-T, Hwang J-S (2019). The hidden symbiotic slender goby found in burrows of mud shrimp *Austinopecten edulis* in western Taiwan: Exploration of symbiosis and ecology. **PLoS ONE** 14(7): e0219815. <https://doi.org/10.1371/journal.pone.0219815>. **Impact factor- 3.75**

Das S, Tseng L-C, Chou C, Wang L, Souissi S, Hwang J-S (2018) “Effects of cadmium exposure on antioxidant enzymes and histological alterations in the mud-shrimp *Austinopecten edulis* (Crustacean: Decapoda)”. **Environ Sci Pollut Res** (2019) 26: 7752. <https://doi.org/10.1007/s11356-018-04113-x> 6 , **Impact factor- 5.19**

2018-

Das S, Tseng L-C, Wang L, Hwang J-S (2017) Burrow characteristics of the mud shrimp *Austinopecten edulis*, an ecological engineer causing sediment modification of a tidal flat. **PLoS ONE** 12(12): e0187647. <https://doi.org/10.1371/journal.pone.0187647>. **Impact factor- 3.75**

RESEARCH PROJECTS

1. CPER IDEAL 2021-2027, Funding source- Hauts de France region (Ongoing, only collaborative)
2. GIP- Seine Aval, SARTRE, SENTINELLES. Funding source- GIP Seine Aval (2019-2023, Ongoing, only collaborative).
3. Interreg 2 Seas Project called “Valgorize”, Funding source- European union project and Interreg (Completed) (2019-2022)

AWARDS & HONOURS/ DISTINCTION

Year of the conduct	Name of the conference	Organization	Position
October, 2015	The Crustacean conference (Oral presentation)	Shanxi University, Taiyuan, Shanxi province, China	Best presentation award

November, 2016	IMB Academic Poster Competition	Institute of Marine biology (IMB), National Taiwan Ocean University, Taiwan	2 nd position
May, 2017	Aspects of Oceanography (Oral presentation)	Oceanographic Society of the Republic of China (OSROC), Kaohsiung, Taiwan	Best presentation award
October, 2017	IMB Academic Poster Competition	Institute of Marine biology (IMB), National Taiwan Ocean University, Taiwan	2 nd position
November, 2020	International Thesis Prize	College Doctoral, Lille Nord De France.	Best international thesis, 1st position

FELLOWSHIPS

Period (Year)	Name of the fellowship	Funding source
2013-2014, India	Project assistant fellowship	CSIR- Council of Industrial research, India. National Institute of Oceanography, Goa
2015 (Sept) -2018 (April), Taiwan	Scholarship for doctoral studies from three distinct sources; University, Institute and laboratory	National Taiwan Ocean University (NTOU), Institute of marine biology (IMB), J.S Hwang's Laboratory
2018 (April) – 2018 (Dec), France	President scholarship (NTOU) for accomplished Co-tutorial doctoral students to study abroad	National Taiwan Ocean University, President.
2019 (Jan) – 2019 (July), France	International mobility grant of University of Lille (MOBILILEX) + GIP Seine-Aval project funding	University of Lille, France

2019 (Nov)- 2022 (April), France	Post - Doctorate fellowship, Interreg 2 Seas Program	University of Lille, France (LOG+LASIRE), European Union, Project- 'Valgorize'
2022 (May) – 2023 (March)	Post - Doctorate fellowship, CPER-IDEAL	Laboratory of Oceanology and Geosciences (LOG) University of Lille, France