



DEBYASHREETA BARIK

Institute of Life Sciences, Nalco Square, Bhubaneswar-751023, India

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EDUCATION

Examination	School/Institute/College	Board/University	Year	Marks Obtained	Remarks
PhD	Institute of Life Sciences	-----	2018 to Present	---	---
M.Phil	-----	Ramadevi women's University	2017-2018	84.92	First
M.Sc (Life Sciences)	-----	Ramadevi Women's University	2015-2017	80.41	First
B.Sc (zoology)	S.B. women's College	Utkal University	2012-2015	71.33	First
Higher Secondary (Science)	D.A.V. Public School	CBSE	2010-2012	70.8	First
Secondary	D.A.V. Public School	CBSE	2010	89.3	First

AWARDS AND OTHER RECOGNITIONS

1. 1st rank holder and gold medalist in M.Sc in P.G. Department of Life Sciences in 2017.
2. 1st Rank holder in M.Phil in Life Sciences in 2018.
3. DST inspire awarded in Ph.D. in 2018.

DISSERTATION AND RESEARCH EXPERIENCE

Type of Work	Title of Project	Supervisor	Institution	Year
Dissertation	Biology of <i>Labeo rohita</i>	Dr. Saroja Shyamala Pattnaik Lecture, zoology, Ramadevi Women's University	Department of Life Sciences, Ramadevi Women's University	December 2016-March 2017

Dissertation	Screening of Selected Plant Species for Green Synthesis of Silver Nano Particles & their application in Water Purification	Dr. Sujata Mahapatra, Reader in Botany, Ramadevi Women's University	Department of Life Sciences	February 2018- June 2018
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CONFERENCES and OTHER ACTIVITIES

1. Presented poster entitled "*Protein based scaffolds for bone tissue engineering*" in SAC-2019, on 16th July 2019, ILS, Bhubaneswar.
2. Presented poster entitled "*Protein based scaffolds for bone tissue engineering*" in International conference on Biomaterial-based therapeutic Engineering and regenerative medicine-Bioterm 2019, on 28th November-01 December 2019, IIT khanpur.
3. Symposium on "*Next Generation Sequencing Technologies: Challenges and Opportunities*", Institute of Life Sciences, Bhubaneswar, India
4. Symposium on "*Emerging Trends in Biological Sciences and Research*", ILS, Bhubaneswar, India
5. Participated in the Science outreach program on the occasion of National Science Day, 28 February, 2019, Odisha, India
6. Participated in the Science outreach program on 12th September 2018 at EMRS Mayurbhanj school, Odisha, India.
7. Presented poster entitled, "*Microporous chitosan and mucin-montmorillonite nanocomposite hydrogel for tissue engineering*". International (Virtual) Conference on Biomedical Materials Innovation- 2020, from 06th Dec – 09th Dec, 2020.
8. Presented poster entitled, "*Montmorillonite stabilized Chitosan-co-Mucin hydrogel for tissue engineering*", CFF 2021 - Chemistry for the Future, International Conference, June 30 – July 2, 2021

Ph.D. MENTOR

Dr. Mamoni Dash, Ph.D.

Ramalingaswami Fellow, Institute of Life Science, Bhubaneswar, India

AREA OF RESEARCH

- Broad area: Bone tissue engineering
- Area of Specialization: synthesis, characterization, and experimentation of biomaterials used in tissue engineering aspects.

PERSONAL DETAILS

PRESENT ADDRESS: Institute of Life Sciences, Campus II, Niladri Vihar,
Chandrasekharpur, Bhubaneswar, Odisha, India-751023

PERMANENT ADDRESS: H/O- Basant Ku. Behera, C/O- S.C. Barik, At Baula Chhak,
Bidanasi, Cuttack, Odisha. PIN- 753014

PUBLICATIONS

1. Barik, D., Bejugam, P.R., Nayak, C., Mohanty, K.T., Singha, A., Declercq, H.A. and Dash, M. (2021), Polymer–Protein Hybrid Network Involving Mucin: A Mineralized Biomimetic Template for Bone Tissue Engineering. Macromol. Biosci., 21: 2000381. <https://doi.org/10.1002/mabi.202000381>.
2. Barik, D.; Dash, P.; Uma, P. I.; Kumari, S.; Dash, M., A review on re-packaging of Bisphosphonates using biomaterials. Journal of Pharmaceutical Sciences 2021.
3. Barik, D.; Kundu, K.; Dash, M., Montmorillonite stabilized chitosan-co-mucin hydrogel for tissue engineering applications. RSC Advances 2021, 11 (48), 30329-30342.

REFERENCES/RECOMMENDATIONS

1	Mamoni Dash. Ph.D. Ramalingaswami Fellow Institute of Life Sciences (ILS) (An autonomous Institute of Department of Biotechnology, Govt. of India) Nalco Square, Bhubaneswar-751023, India Phone: +91 674 230 4333 Email: mamoni.dash@ils.res.in or mamonidash@gmail.com
2	Dr. Sujata Mahapatra , Reader in Botany RDWU, BBSR Phone-9337546436 , Email: sujatamahapatra62@gmail.com

DECLARATION:

I hereby declare that the information furnished above is true to the best of my knowledge.

Place: Bhubaneswar

Debyashreeta Barik

Signature

DEBYASHREETA BARIK