

CURRICULUM – VITAE

NAME : **NAMRATA KANUNGO**

CONTACT DETAILS : Bhubaneswar – 751015
Odisha, India
namratakanungo96@gmail.com



CAREER OBJECTIVE : Seeking opportunities to carry out extensive research in the field of biological science.

EDUCATIONAL DETAILS:

- Pre-PhD coursework, Utkal University, 2021- cont.
- M.Sc. (Biotechnology), 2020, Utkal University SGPA- 8.9 (Rank-1)
- B.Sc. (Botany Hons), 2018, Ramadevi Women's University CGPA-8.81
- 12th (CBSE), 2014, DAV Public School, Unit-8 85.8%
- 10th (CBSE), 2012, St. Xavier's High School, Khandagiri CGPA- 10

RESEARCH PUBLICATIONS:

- **Catechin and curcumin interact with S protein of SARS-CoV2 and ACE2 of human cell membrane: insights from computational studies**
Atala B. Jena, Namrata Kanungo, Vinayak Nayak, G. B. N. Chainy and Jagneshwar Dandapat. *Scientific Reports* (2021) 11:2043. <https://doi.org/10.1038/s41598-021-81462-7> (Citations-70)
- **8-Hydroxydihydrosanguinarine (8-HDS), a pyridone containing analogue of sanguinarine, can be a potential inhibitor of S protein and M protease of SARS CoV2: Insights from computational studies**
Atala B. Jena, Namrata Kanungo, G. B. N. Chainy, Vinod Devaraji and Jagneshwar Dandapat. *Research Square* (2021). <https://doi.org/10.21203/rs.3.rs-153786/v1>

DISSERTATION WORK:

- Submitted Review on “**Reactive Oxygen Species on Inflammasome Interface and Interplay: Pathological consequences and targeted intervention by antioxidants**” guided by Prof. Jagneshwar Dandapat, Head of the Department, P.G. Dept. of Biotechnology, Utkal University during M.Sc. Biotechnology 2018-2020.
- Submitted Review on “**C4 Pathway: Its past, present and future**” guided by Late Dr. Bidyutprava Das, Associate Professor Dept. of Botany, Ramadevi Women's University during B.Sc. Botany Hons. 2015-2018.

FELLOWSHIPS:

- Received scholarship (studentship) from DBT, Govt. of India during M.Sc. after qualifying National level entrance examination, CEEB-2018, conducted by JNU.
- Received DST- INSPIRE Fellowship 2020.

SEMINARS/ SYMPOSIA

PRESENTED:

- On the topic of **Inflammasomes** during 3rd semester of M.Sc. Biotechnology, 2019.
- On the topic of **RNA interference** during 1st semester of M.Sc. Biotechnology, 2018.
- On the topic of **C4 Pathway: Its past, present and future** during 3rd semester of B.Sc. Botany, 2018.

ATTENDED:

- The International Webinar on Multi-Omics approaches in sustainable Health and Agriculture on 21st December, 2021.
- The 107th Indian Science Congress from 3rd -7th January, 2020 held at University of Agricultural Science, GKVK Campus, Bangalore.
- The WB-OHEPEE sponsored National Seminar on “Proteomics in Public Health” organised by P.G. Department of Biotechnology, Utkal University during 15th-16th March, 2019.
- One Day Panel discussion Programme on “Women in Science” organised on 15.03.2017 organised by Ramadevi Women’s University in collaboration with Odisha Bigyan Academy.

AWARDS AND ACHIEVEMENTS:

- National level entrance examinations
 - Qualified **GATE 2020 (XL)** Rank- **1154**
 - Qualified **GATE 2021 (XL)** Rank- **1806**
 - Qualified **GATE 2021 (BT)** Rank- **1140**
- Secured **Rank-1** in M.Sc. Biotechnology at Utkal University.
- Received 1st prize in painting competition on the occasion of Annual Day, 19th April, 2019 at Utkal University.
- Received 3rd prize in Quiz competition in Science Society Annual Function, 2017 at Ramadevi Women’s University.
- Received 1st position in Collage competition organised in the 10th Anjali National Children’s Festival, 2011
- Received 2nd position in Mural painting competition organised in the 9th Anjali National Children’s Festival, 2010
- Received 1st position in Collage competition organised in the 8th Anjali National Children’s Festival, 2009
- Awarded Certificate of Merit in the All India Child Art Postal Competition, 2009, organised by Handicrafts Development Centre, Odisha
- Awarded for Best entry in Group-E of the All India Camel Colour Contest 2011.
- Awarded for winning 1st in Group-E at the regional level of the All India Camel Colour Contest 2009.

- Awarded 3rd prize in the **Senior Scientists competition**, 2010 at St. Xavier's High School, Khandagiri.
- Received **Pride of Xavier's, 2012** award at St. Xavier's High School, Khandagiri.

TECHNICAL/ SCIENTIFIC SKILLS:

- Nucleic acid isolation and quantification, Protein estimation, Chromatography, Gel electrophoresis, Absorbance spectroscopy, Fluorescence spectroscopy, SDS- PAGE, Native PAGE, Western blotting, basic microbial techniques, Restriction digestion, Bacterial transformation, Tissue culture, basics of Bioinformatics (Molecular Docking).

HANDLING OF EQUIPMENTS:

- UV/Vis spectroscopy, Fluorescence spectroscopy, Electrophoresis

COMPUTER KNOWLEDGE: MS Office Word, Excel and Power point