

## *Curriculum vitae*



**Name: DNYANADA SADANAND GHADI**

**Date of Birth: August 11, 1998**

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**Mobile No.: +91-9969112403**

**Nationality: Indian**

**State of Domicile: Maharashtra, India**

**Marital Status: Single**

### **1. Educational Qualifications:**

| <b>Examination</b>                                   | <b>School/Institute</b>  | <b>Board/University</b>  | <b>Year of passing</b> | <b>Marks obtained</b>                   | <b>Percentage / CGPA</b>         |
|--|--|--|------------------------|---|----------------------------------|
| <b>SSC (10<sup>th</sup>)</b>                         | I.E.S. V.N.Sule<br>Guruji English<br>Medium<br>Secondary<br>School, Hindu<br>Colony, Dader<br>(E), Mumbai-<br>400014 | Maharashtra State<br>Board of Secondary<br>and Higher<br>Secondary<br>Education, Pune. | March<br>2014          | 476/500                                 | 95.20%                           |
| <b>HSC (12<sup>th</sup>)</b>                         | Ramnivas Ruia<br>Junior College,<br>L.N. Road,<br>Matunga (E),<br>Mumbai-400019                                      | Maharashtra State<br>Board of Secondary<br>and Higher<br>Secondary<br>Education, Pune. | Februar<br>y<br>2016   | 533/650                                 | 82.00%                           |
| <b>Bachelor of<br/>Science<br/><br/>Microbiology</b> | Ramnarain Ruia<br>Autonomous<br>College, L.N.<br>Road, Matunga<br>(E), Mumbai-<br>400019                             | University of<br>Mumbai, Fort,<br>Mumbai.  | May<br>2019            | (VIth<br>Semester<br>Marks:<br>669/800) | CGPA:<br>9.83/10.00<br>(80.79 %) |
| <b>Master of<br/>Science<br/>Biochemistry</b>        | Department of<br>Biochemistry,<br>Faculty of   | The Maharaja<br>Sayajirao<br>University of   | June<br>2021           | Grade: A                                | CGPA:8.03<br>(80.30%)            |

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|--|---|--|--|--|--|
|  | Science, The<br>Maharaja<br>Sayajirao<br>University of<br>Baroda. | Baroda, Vadodara-<br>390002, Gujarat,<br>India |  |  |  |
|--|---|--|--|--|--|

## 2. National Level Examinations Qualified:

| Examination                   | Paper/Subject      | Year of passing | Score/Percentile       | All India Rank | Valid upto-                 |
|-------------------------------|--------------------|-----------------|------------------------|----------------|-----------------------------|
| <b>GATE</b>                   | Biotechnology (BT) | March-2021      | GATE Score: 472        | 789            | 31 <sup>st</sup> March 2024 |
| <b>CSIR-NET (Lectureship)</b> | Life Science       | June-2020       | Percentile: 97.7480010 | 57             | Forever                     |

## 3. Research Experience:

**A) Biodiversity project-** Isolated Halophile from Sea Water & characterized it using Bergey's Manual of Systematic Bacteriology till Species level; at S.Y.B.Sc. at Dept. of Microbiology, Ramnarain Ruia Autonomous College.

**B) M. Sc. Dissertation Project:** 'Studying the effect of Huntingtin phosphorylation on stimulation of PRC2 (Polycomb Repressive Complex 2) Histone methyltransferase activity'.

Brief Description of the project:

- Cloning of genes encoding wildtype and mutant huntingtin and genes encoding subunits of PRC2 complex in pFasBac plasmid, isolation of recombinant bacmid by blue white and antibiotic based screening. Infecting Sf9 cells by the recombinant bacmid provides desired proteins.
- Protein expression is checked using SDS- PAGE, Western Blot and purified by FLAG-affinity chromatography.
- Both WT and mutant huntingtin proteins are checked for their interaction with PRC2 complex, analysing the resulting histone H3 Lys27 trimethylation activity by Western Blot. It is observed that Huntingtin facilitates H3K27 trimethylation activity of PRC2

in a Poly-Q (Glutamine) dependent manner. Further, effect of phosphorylation is checked using CIP (Calf Intestinal Phosphatase).

**Project guide: Dr. Ravi Vijayvargia**

(Assistant Professor, Department of Biochemistry, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara-390002, Gujarat, India)

**4. Scientific Interests:** Molecular Biology, Microbiology, Biochemistry, Immunology, Enzymology, Recombinant DNA Technology, Cell and Cancer Biology.

**5. Science Activities:**

- a) 2<sup>nd</sup> position at 17<sup>th</sup> State Level Microbio-olympiad from 77 participating colleges all over Maharashtra organized by R.C. Patel Arts, Commerce and Science College, Shirpur, Dhule, Maharashtra in association with C. K. Thakur Arts, Commerce and Science College, New Panvel and Association of Microbiologists of India (AMI) on January 2018.
- b) Workshop on PCR and Restriction Digestion conducted by HiMedia Laboratories at Ramnarain Ruia Autonomous College under DBT Star College Scheme in Sept. 2018.
- c) Attended Symposium on ‘Trends in Biochemistry and Prof. L. J. Parekh Memorial Lecture Series’ on Sept. 2019 at Department of Biochemistry, Faculty of Science, The M.S. University of Baroda, Vadodara-390002, Gujarat.
- d) Poster presentation on ‘Thiophene based optical ligands detecting Tau pathology in Alzheimer’s disease’ at Open House and Science Fair organized by the Faculty of Science, The M. S. University of Baroda, Vadodara-390002, Gujarat.
- e) Attended Workshops on National Science Day at BARC, Mumbai in 2016.
- f) Attended open day lab visits and science demonstrations at Cancer Research Institute, ACTREC, Kharghar, Navi-Mumbai-410210 in 2019.
- g) Have cleared Basic Computer MS-CIT course in 2015.

**6. Techniques known:** Electrophoresis, Western blot, RT-PCR, Protein based biochemical assays, Immunohistochemistry, Immuno-fluorescence assays, Fluorescence microscopy, Affinity Chromatography, Bioassays, Microbiological media preparation and general microbiological techniques, Bioassays, Protein purification, Enzymology, DNA and Plasmid isolation, Cell culture techniques, Mice handling etc learnt as a part of B.Sc. course, M.Sc. dissertation and practicals.

**7. Skills known:** Microsoft Word, MS Excel, MS Powerpoint, Data entry, Register and record maintenance, etc.

**8. Languages Known:** English, Hindi, Marathi

**9. Other Interests:** Dance, Drawing, Painting, Reading Books and Newspaper

**10. Details of the 2 referees:**

| NAME                           | Designation  | Institute  | Contact  |
|--------------------------------|--|--|--|
| <b>1. Dr. Ravi Vijayvargia</b> | Assistant Professor and Guide of M.Sc. Dissertation Project. | Department of Biochemistry, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara-390002, Gujarat, India | Contact: +91-9530079180<br><br>Email-ID: ratipu@gmail.com      |
| <b>2. Dr. Pushpa Robin</b>     | Professor  | Department of Biochemistry, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara-390002, Gujarat, India | Contact: +91-9879120161<br><br>Email-ID: pushparobin@gmail.com |

**11. Address for Correspondence:** 01, Khaprideo Sadan, Kalewadi, G.D. Ambekar Marg, Parel Tank Road, Kalachowki, Mumbai- 400033, Maharashtra, India