

CURRICULUM VITAE

Rachana Patel.C

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Pandavapura Taluk & Mandya District
Karnataka - 571434
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Career Objective

Secure an ambitious career in a firm, which fully utilizes my knowledge and expertise and provides me with opportunities to contribute and grow professionally in an interactive atmosphere. To build upon the present skill and to seek a position that provides opportunities to keep up-to-date within the latest development in the field. Honesty, sincerity, hardworking and punctuality are some of my strengths, which are strongly supplemented by the right mix of my interpersonal and communication skills.

Educational qualification

2011-2016: Yuvaraja's college, University of Mysore

Five Year Integrated M.Sc in Molecular Biology with Cumulative Grade Point Average : 8.205 , Equivalent Percentage : 82.05 , Final Grade Point (FGP) : 9 , Qualitative : DISTINCTION

Key Subjects:

- Plant and Animal Physiology
- Metabolism
- Molecular Genetics
- Immunology
- Molecular mechanism of Gene expression
- Molecular mechanism of Signal Transduction
- Genomics and Phylogenetics
- Genetic engineering and Bioinformatics
- Cancer Biology

2011: B.M.S. Pre University College, Bengaluru

Pre University Education in the following subjects Physics, Chemistry, Mathematics, Biology, English and Kannada with 56.83%.

2008: Cauvery Public School, Tubinakere, Mandya.

SSLC (ICSE) in the following subjects English, Kannada, Science, Mathematics and Social Science, Environmental Education, Physical Education with 72.14%.

Lab Specific Skills

Analytical and separation technique:

- Chromatography: Paper chromatography, column chromatography, TLC, HPLC.
- Electrophoresis: Agarose gel electrophoresis.
- Centrifugation

Molecular biology and Genetic engineering techniques:

- Genomic DNA & RNA Isolation & Estimation.
- Plasmid isolation.
- PCR & qRT-PCR.
- Restriction digestion and ligation.
- Transformation.
- Western blotting.
- Animal cell culture.

Biochemistry and Enzymology:

- Estimation of proteins, nucleic acids, carbohydrates, cholesterol, urea, hemoglobin, creatine and creatinine.
- Enzymology: determination of specific activity.

Microbiological techniques:

- Sterilization and staining techniques, culture and preservation techniques.
- Bacterial growth curve.
- Isolation and cultural characterization of microorganisms.

Immunological techniques:

- IgG purification.
- ODD, Immuno Electrophoresis.

Bio Informatics:

- Biological database, sequence analysis.
- BLAST, FASTA, CLUSTAL W,
- PHYLIP, RASMOL,
- GENE TOOL.
- EMBOSS.
- MS Word, Excel, PowerPoint, Outlook.

Academic Achievements

- Have qualified Karnataka State Eligibility Test (KSET) examination conducted in December, 2015. (Roll No: 18280216).
- Have worked as dissertation student on the topic “effects of carotenoids on stress-induced ARPE-19 cells” under the guidance of P. Ganesan, Scientist ,DMN ,CSIR-CFTRI ,Mysuru.

- I have trained the facilitators in ‘Hand’s on training in Modern Biotechnology’ held at Department of Biotechnology, The Oxford College of Science on 27th March, 2017.
- I have participated in two days “NATIONAL CONFERENCE ON CANCER BIOLOGY” held at Department of Studies in Biochemistry, Manasagangothri, UoM, Mysore on 29th and 30th November, 2013.
- Participated in one day “Molecular Biology Lecture Series” held at Department of Studies in Biochemistry, Manasagangothri, UoM, Mysore on September 5th 2014.
- I have visited Labland Biotech Private Limited, Plant Tissue Culture & Biofuel Division, Mysore on 15th September, 2014.
- I have participated in UGC sponsored National Seminar on “The Perpetual Threat of Emerging and Reemerging Infectious Diseases” held on 18th March, 2015.
- Have attended one day UGC sponsored national seminar on “Frontier Innovations in Biochemistry and Its Interdisciplinary Relevance” held at Mahajana Education Society on 31th March, 2015.
- Actively participated in the one day national seminar on Chemistry and Chemical Biology held on 26th May, 2015, on the occasion of Prof. K. S. Rangappa’s 60th Birthday celebration at Shri Nalwadi Krishnaraja Wodeyar Auditorium, UoM, Manasagangothri, Mysore.
- I have also participated in the Inauguration, Plenary talks and Panel discussion on “GENETICS TODAY” held on 10th October, 2015 at Rani Bahadur Auditorium, BIMS, UoM, Mysuru.

Personal Information

- **Date of Birth** : 22nd February 1992
- **Gender** : Female
- **Father’s name** : Channe Gowda.A
- **Mother’s name** : Lalitha
- **Nationality** : Indian
- **Marital Status** : Single
- **Languages** : English, Kannada, Hindi
- **Interest** : Reading science journals, Novels

Referees

Dr. N. S. Devaki

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Dr.Ganesan.P

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Declaration

I hereby declare that the particulars of information and facts stated above are true and complete to the best of my knowledge and belief.

(RACHANA PATEL.C)

