

Mr. Kunal Mukund Shinde

(M.Sc. Biotechnology)

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Maharashtra, **415002**

- Date of Birth: **28th Sept 1997**
- Nationality: **Indian**
- Marital Status: **Unmarried**
- Gender: **Male**

PROFILE /CAREER OBJECTIVE

- M.Sc. biotechnology with Distinction and with to explore a career in biotechnology-based organization to have a challenging and rewarding career to produce time bound excellent results and also to be associated with a progressive organization that would give me a position to utilize my skills and abilities while being resourceful, innovative and flexible.

COURSE	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	% SCORE	YEAR
M.Sc. Biotechnology	Department Of Biotechnology, Shivaji University Kolhapur	Shivaji University, Kolhapur	78.46	Sept-2022
B.Sc. Biotechnology	Yashwantrao Chavan Institute of Science, Satara	Shivaji University, Kolhapur	61.69	April-2018
Class XII	Yashwantrao Chavan Institute of Science, Satara	Maharashtra State Board	66	Feb-2015
Class X	Anant English School Satara	Maharashtra State Board	80.36	Mar-2013

PROJECT SUMMARY

Masters in biotechnology (Shivaji University, Kolhapur – 2022)

Title: Green biosynthesis of gold nanoparticles using *Panocratium parvum* callus extract

- In present study, callus of *Panocratium parvum* are effective alternative resources of biomass for synthesis of nanoparticles which were further screened for the presence of bioactive molecules such as carbohydrate, tannin, phenolics, flavonoids and proanthocyanidins.
- Various antioxidant assays were performed such as FRAP and DPPH scavenging assay.
- The present study also highlights the green synthesis of gold nanoparticles using callus extract which were characterized by UV-Visible spectroscopy.

Bachelors in biotechnology (Yashwantrao Chavan institute of Science, Satara - 2018)

Title: Isolation and Characterization of High Alkaline Strain of *Chlorella* Form Commercial *Spirulina* Production Pond.

- Isolate and characterization of the *Chlorella* sp. at two different media i.e., Spirulina cultivation medium (SCM) of 10 pH and Bold's Basal Medium (BBM) of 6.5 pH. We take cell count and Prepare growth curve in these two different media
- Strick plate technique, pour plate technique, suspension culture technique, etc. are employed to separate and isolate pure culture chlorella sp. From *Spirulina* sp. Laminar Air Flow, Autoclave, light microscope, incubators, shaking incubator, etc. are used to complete this study.
- Result showed that the isolated species is adapted to high alkaline pH and can grow easily in high alkaline medium. From this study we conclude that this high alkaline novel strain would be great helpful in commercial production of *Chlorella* sp.

COMPUTER SKILLS

- MS Word, Excel, PowerPoint and Internet Applications.
- Basic knowledge of database in Bioinformatics as well as basic knowledge about Bioinformatic tools.

LABORATORY SKILLS

- Molecular techniques such as DNA & RNA isolation procedures, Gel electrophoresis basics, SDS PAGE, blotting technique and can handle PCR machine, gel doc, etc.
- Knowledge about PTC and media preparation, laboratory safety, Good at handling various instrument such as pH meter, UV-visible spectroscopy, colorimeter, centrifuge, microscope, laminar air flow.
- Good in aseptic techniques while doing culture of explant, cleanliness of work area Management skills, multiple working approach, hard work.
- Basic knowledge about Chromatographic principle, and Good in Protein estimation and determination in enzyme activity.

TRAINING/ WORKSHOPS

- Participated and successfully completed value added course entitled “**Advanced Bio-analytical Techniques in Biotechnology**” organized by Department of Biotechnology, Shivaji University, Kolhapur.
- Attended training on” **Good Clinical Practice and Regulatory Compliance**” Organized by Synergen Bio Pvt. Ltd.
- Attended training on” **Good Laboratory Practice and Regulatory Compliance**” Organized by Synergen Bio Pvt. Ltd.
- Certification in Entrepreneurship Awareness camp sponsored by national science and technology entrepreneurship development board and organized by YCIS Satara.

ACADEMIC ACHIEVEMENTS

- **GATE 2022** (Biotechnology) – **Qualified**
- Got first rank in Model presentation in state level 5th Bio resonance organized by department of biotechnology YCIS Satara (2015).

STRENGTH

- Ability to hard work.
- Capable to adjust to any kind of area.
- Ability to deal with people diplomatically.
- Dedicated performance while working independent or in team.
- Like to take responsibility and complete it in time.
- Co-operative nature.

LANGUAGES KNOWN
English, Hindi and Marathi

DECLARATION
I hereby declare that the above written information is true to the best of my knowledge and belief.

Place: - Satara

Date: -

Mr. Kunal Mukund Shinde.