

## Shri Shivaji College of Arts, commerce and science Akola

### Staff profile

**Ritika Virendra Srivastava**

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#### Objective --

To work in competitive environment where I can apply my hardworking attitude, punctuality, working in very disciplined manner. I was a part of hockey team and various committees in college so it is easy to work in team and also independently. Managing the time while working in team as well as individually, which will be beneficial for me and the development of firm. I have experience in wet as well as dry lab techniques. During my masters worked on projects and implemented the theoretical knowledge (of molecular biology, cell biology, bioprocess technology, microbiology, cell biology etc.) Into practical knowledge. I cleared the Biotech Consortium India Limited (BCIL) exam conducted by department of biotechnology (India).

#### Educational Qualifications--

Education	Year	Board/ University/Institution	Class
<b>M.Sc. Biotechnology</b>	2016	SGBAU, Amravati (MH)	7.07 (CGPA)
<b>B.Sc.</b>	2014	SGBAU, Amravati (MH)	I (65%)

#### Project:

*Development of cost effective soy(Glycine max) based media for the fermentation industry.*

Soy medium used in the industry are very costly. Aim was to formulate the medium which are cost effective and to soy bean is local crop of vidharbha and it can also provide an alternative source for te farmers. From the result of this study it shows that the specific growth rate is decreases as the concentration of glucose increases. And the feasibility of medium were studied by estimating the concentration of protein and reducing sugar.

The medium need to be optimized.

Under the guidance of

Dr. V.P. Wadegaonkar  
Department of Biotechnology  
SantGadge Baba Amravati University,  
Amravati-444602.

### **Techniques known:**

- Animal tissue culture techniques.
- Plant tissue culture techniques (callus culture,protoplast culture,anther culture, micropropagation etc)
- DNA isolation (plant, bacteria,animal).
- Transformation studies (plant, bacteria).
- Isolation of plasmids.
- Biochemical techniques-Electrophoresis (SDS PAGE), Enzyme assays.
- .Toxicity testing
- Micobiological techniques (Culturing techniques, identification of micro-organisms, Bacteria enumeration, etc)

### **Extra curricular activities**

- State level hockey player.
- Poster presentation in AVISHKAR, SGBAU, Amravati (2015).
- Participated in Quiz competition in National Science Day(2014).
- Attended the workshop on Computer Aided Drug Designing (CADD).
- Conducted various cultural programs& Anchoring in college.
- Attended the workshop on Basic tools and techniques in Bioinformatics and molecular docking.
- Participated in the seminar on national science day. (2014)

### **Achievements**

- Bronze medal in quiz competition in national Science Day (2014).

### **Declaration**

Thereby declared that the above information is true to the best of my knowledge

**Date :-**

**Signature**

**Place :-Akola**

(Ritika .V. Srivastava)