



Maulana Azad Educational Trust's  
**Y. B. Chavan College of Pharmacy**  
Dr. Rafiq Zakaria Campus, Rauza Bagh, Aurangabad - 431001 (MS)

ISO 21001:2018 & 14001:2015 | NIRF-2023 ALL INDIA RANK 80<sup>th</sup> | NAAC "A" GRADE (CGPA 3.23) | UGC 2(f) 12(B)

# Best Practice -1

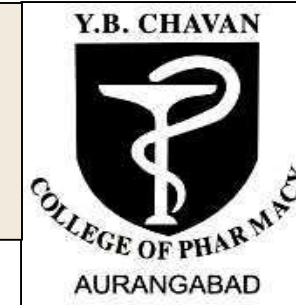
**SUSTAINABLE RESEARCH ECOSYSTEM**



Maulana Azad Educational Trust

## Y.B. Chavan College of Pharmacy, Aurangabad

NAAC Accreditation "A" GRADE WITH 3.23 CGPA SCORE  
ISO21001:2018 and ISO14001:2015/ NIRF -2023 ALL INDIA 80<sup>th</sup>



### Best Practice -1

Title of the Practice: **SUSTAINABLE RESEARCH ECOSYSTEM**

**Objectives of the Practice:** To create sustainable research environment for eco-friendly and outcome based research

**The Context:** Pharmacy is ever evolving, research oriented and technology driven field needs persistent research

#### The Practice :

- Active Research-IPR committee and Institute Innovation Cell are in place for innovative and quality research
- Continuous up gradation of research facilities.
- Research Collaboration with industry and academia
- Support and motivation for research
- Well defined research policy
- Experienced guides with research expertise
- Eco-friendly approaches experiment & research

#### Evidence of Success :

- ✓ Publication profile : 10000+ Research papers in National/International journals, 1000+ cumulative IF & 10000+ citations
- ✓ Patent Profile : The college have 37 filed patent applications out of which 25 published and 12 patents are granted.
- ✓ Grant profile : Rs. 3 Cr fetched through research grants and industrial consultancies
- ✓ Faculty Profile : 22 faculty with PhD and 12 Ph D research guides
- ✓ Awards and Recognitions: Students secure gold medals and awards in research presentations and "AVISHKAR".
- ✓ Ecofriendly methods Viz. Microwave assisted, Ultrasonication, Solvent free are practiced
- ✓ Ranking and Certifications: Consistently good rank by NIRF; and Innovation and Incubation cell' got 3.5 stars from Ministry of Education

## **BEST PRACTICE-1:**

### **SUSTAINABLE RESEARCH ECOSYSTEM**

**OBJECTIVES:** To create sustainable research environment for eco-friendly and outcome based research

**THE CONTEXT:** Pharmacy is ever evolving, research oriented and technology driven field which needs persistent research. The college being one of the leading and research oriented; provides a conducive environment, state of art infrastructure, ultramodern equipments with competent guides for Sustainable research outcome. The college also encourages collaborative research projects with industry/ academia and promotes eco-friendly approaches.

#### **PRACTICE AT OUR COLLEGE**

1) Active Research-IPR committee and Institute Innovation Cell are in place for innovative and quality research.

[https://www.ybccpa.ac.in/UserPanel/display\\_tab\\_content.aspx?page=gi&ItemID=q](https://www.ybccpa.ac.in/UserPanel/display_tab_content.aspx?page=gi&ItemID=q)

2) The research facilities are continuously upgraded to maintain the quality of research.

3) Research Collaboration with industry and academia.

<https://www.ybccpa.ac.in/UserPanel/DisplayPage.aspx?page=ei&ItemID=o>

4) Support and motivation for research through well defined research policy.

[https://ybccpa.ac.in/uploaded\\_files/Policies\\_revised\\_2022.pdf](https://ybccpa.ac.in/uploaded_files/Policies_revised_2022.pdf)

5) Experienced guides with research expertise.

[https://www.ybccpa.ac.in/uploaded\\_files/Updated\\_List\\_of\\_PhD\\_Guides.pdf](https://www.ybccpa.ac.in/uploaded_files/Updated_List_of_PhD_Guides.pdf)

6) Eco-friendly approaches experiment & research.

7) The vibrant 'Institute Innovation cell' conducting brainstorming sessions and national-level competitions to promote innovation-based ecosystem in the college. This also encourages creativity of students and faculties by supporting them to work with new ideas.

<https://www.ybccpa.ac.in/UserPanel/DisplayPage.aspx?page=es>

#### **EVIDENCE OF SUCCESS**

- Publication profile :More than 1000 Research papers in National/International journals,  
More than 1000 Cumulative IF & 10000 + citations

[https://www.ybccpa.ac.in/uploaded\\_files/Final\\_merged\\_organizedcompresed.pdf](https://www.ybccpa.ac.in/uploaded_files/Final_merged_organizedcompresed.pdf)

- Patent Profile: The faculty members and students of the college are having 37 filed out of which 25 published and 12 patents are granted.  
[https://www.ybccpa.ac.in/uploaded\\_files/Patent\\_updated\\_March\\_2024.pdf](https://www.ybccpa.ac.in/uploaded_files/Patent_updated_March_2024.pdf)
- Grant profile : Rs.2.91 Cr fetched through research grants from AICTE, UGC, ICMR, DST  
[https://www.ybccpa.ac.in/uploaded\\_files/Projects\\_updated\\_March\\_2024.pdf](https://www.ybccpa.ac.in/uploaded_files/Projects_updated_March_2024.pdf)
- Research consultancies of More than 12 Lakhs from various Pharmaceutical Industries.
- 14 University approved PhD research guides
- **25** of students Completed PhD from the College.
- Research projects with Eco-friendly methods Viz. Microwave assisted, Ultra-sonication, Solvent free techniques.
- The 'Institute Innovation cell' got 3.5 stars from Ministry of Education.
- Dr. J.N. Sangshetti, Professor Quality Assurance Department selected in Top 2% Researchers of the world the as per list published by "Stanford University" consecutively for two years.
- Seven Faculty members are in the World Scientist and University Rankings 2024 list of "AD- Scientific Index" (Alper-Doger Scientific Index).  
[https://www.ybccpa.ac.in/uploaded\\_files/Research\\_award\\_students\\_and\\_faculties.pdf](https://www.ybccpa.ac.in/uploaded_files/Research_award_students_and_faculties.pdf)  
[https://www.ybccpa.ac.in/uploaded\\_files/Awards\\_and\\_recognitions\\_to\\_Faculty\\_members.pdf](https://www.ybccpa.ac.in/uploaded_files/Awards_and_recognitions_to_Faculty_members.pdf)
- The students secure 6 gold medals at **Avishkar -2022** and 8 gold medals in **Avishkar - 2023**. Ms. Pooja Giradkar, student of M. Pharm got Dr. P.D. Patil National Award for best M. Pharm Thesis in Pharmaceutics.  
[https://www.ybccpa.ac.in/uploaded\\_files/Research\\_award\\_students\\_and\\_faculties.pdf](https://www.ybccpa.ac.in/uploaded_files/Research_award_students_and_faculties.pdf)
- Many research students and Faculty presented research works in various National and International conferences and seminars.
- The College has consistently ranked by NIRF and has active participation in NIRF innovation ranking  
[https://www.ybccpa.ac.in/uploaded\\_files/NIRF\\_report.pdf](https://www.ybccpa.ac.in/uploaded_files/NIRF_report.pdf)
- The faculty members are invited as Resource person at National and International Conferences, Seminars, FDPs and Workshops by various organizations.  
[https://www.ybccpa.ac.in/uploaded\\_files/Resource\\_person.pdf](https://www.ybccpa.ac.in/uploaded_files/Resource_person.pdf)

## **PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED**

The implementation of “Sustainable Research Ecosystem” the college encounters certain problems such as:

- a. Being a self-funded academic institution purchase of highly sophisticated costly equipments is changing due to budgetary constraints.
- b. Challenges due to continuously changing regulatory requirements.
- c. To carry out all the research process with eco-friendly techniques is challenging.