



NAAC Reaccredited
'A' grade in 3rd cycle

PSGVP Mandal's
SHRI S. I. PATIL ARTS, G. B. PATEL SCIENCE & STKVS COMMERCE COLLEGE,
SHAHADA - 425409, Dist- Nandurbar (M.S.)

Website: www.psgvpasc.ac.in

Phone/ Fax Office (02565) 229576

Email: principal.shahada@gmail.com

IQAC- psgvpnaac@gmail.com

Mob.9421530100

Academic Audit of the Teacher
(Academic Year 2019-20)

(The form should be submitted at the end of academic year)

A) General Information

- i. **Name** : DR. JOBANPUTRA ARPANA HEMRAJ
- ii. **Department** : Microbiology
- iii. **Date of Birth** : 29-06-67
- iv. **Category** : Open
- v. **Academic Qualifications** : M.Sc., Ph.D Microbiology
- vi. **Post Held** : Associate Professor
- vii. **Total Teaching Experience** : 23 years
- viii. **Date of Superannuation** : 29-06-2027
- ix. **Mobile No.** : 98822401695
- x. **E-mail** : arpanahobanputra@gmail.com

B) Teaching and Learning:

Class	Name of the courses taught	No of lectures /allotted	No of lectures engaged Per week	No of practicals /allotted	No of practicals carried out week	Total No of Students offered subject	Max. no. of students who have attended lectures	Min. no. of the students who have attended lectures	Average attendance of the students in %
F.Y.	MB-103	84	06	15	01	27	25	15	70
	MB-203	84	06	15	01	27	26	16	70
S.Y.	MB 302	33	02	--	--	130	125	74	75
	MB 401	36	02	--	--	130	122	75	76
T.Y.	MB 351	44	03	--	--	48	42	22	85
	MB 361	49	03	--	--	48	44	24	88
T.Y.	MB 357	192	16	10	04	48	46	40	90
	MB 367	192	16	10	04	48	45	38	89

C) Evaluation:

- I. **Whether teaching plan is prepared at the beginning of the academic year: Yes/ No** : Yes
- II. **Methodologies used for Teaching** : Blackboard
ICT: Powerpoint Presentation
ICT: Animation
- III. **Reasons of absentee of the students in the class** : Personal reasons
Marriage of girl students
- IV. **Efforts taken to minimize the absentee in the class** : Regular Attendance
Making lectures interesting using ICT teaching and animations
Interacting with them about their difficulties
- V. **Additional learning resources provided to the students** : Modules with chapters as per the syllabi
Providing question bank on each unit
Providing Assignments based on above
Providing E Books on the subject
- VI. **Nature of Posting (Temporary / Permanent)** : Permanent.
- VII. **Innovative Practices used for Teaching** : PPT for explanation
Animations for various topics
- VIII. **Field visit / Study tour/ Excursion tour** : Visit to Pathological Laboratory for demonstration of various diagnostic tests.

i) Examination results: 2019-20 (Semester wise)

Class	Course	No of Students appeared for exam	No of students Failed	No of students in Distinction	No of students in I class	No of students in II class	No of students in Pass Class	Result in %
SY	MB-302	130	59	22	38	07	01	52
TY	MB-351	48	15	10	09	10	04	69

ii) Participation in the examination work (Number of turns)

Custodian	:	00
Ext. Examiner	:	02
Sr. Supervisors	:	00
Int. Examiner	:	FY: 04 Batches TY: 01 Batch M.Sc I: 02 Batches
Paper Setter	:	Chairman M.Sc Sem I: 03 sets; Sem II: 06 sets
Chairman in CAP	:	Nil
Jr. Supervisions	:	Nil
Squad	:	Ladies vigilance Sem I: 10 turns; Sem II: 18 turns
CAP	:	Sem I: 150; Sem II: 180
Lab inspection	:	01: SSVs, ASC Collee, Dhule
Competitive Exam/ YCMOU	:	Nil

D) Research Activities

- i) M. Phil./ Ph. D. awarded : 00
ii) Research Guidance : 02 Ph.D students

Guidance for M.Phil./ Ph.D/ Student Project	Name of the Research Scholar	Year of Degree Awarded/ Registered	Name of the University/ Class
Ph.D	Mr. Swapnil S. Joshi	Ongoing	KBC, NMU, Jalgaon
Ph.D	Mrs. Mariya Husain	Ongoing	KBC, NMU, Jalgaon

iii) Major/ Minor Research Project:

Ongoing and Completed Research Projects and Consultancies:

Title of the Project	Proposed / Complete / ongoing	Agency UGC/ BCUD/ DST	Period	Grant /Amount Mobilized	Outcome of the Project
Nil					

- iv) Consultancy provided : S.I Chemicals for Microbial count in Papain

v) Publications

a) Books published during the academic year

Sr.No.	Title of the Book	Name of Publisher	Place of publication	ISBN No.
	Nil			

b) Research Papers published

Sr. No.	Title of the Paper	Name of The Journal	Volume and Page No.	Year of Publication	ISSN/ISBN	Impact Factor	h-index
1.	Applications of Lipases	Res.J. Biotech,	Vol 14 (11), 130-138	2019	[E-ISSN 2278-4535; PRINT-ISSN 0973-6263]	0.233	13
2.	Isolation, Identification and Susceptibility Testing of Potential Lipase Producing Bacterial and Fungal Strains from soil	Res.J. Biotech.	Vol. 14 (8), 89-96.	2019	[E-ISSN 2278-4535; PRINT-ISSN 0973-6263]	0.233	13
3.	Application of lipase extracted from <i>Pseudomonas aeruginosa</i> SJ2 as a detergent additive	Adv. Biores	11 (1) 1-3	2020	[Online ISSN 2277-1573]	0.36	11

c) Membership of the Research Journals /Professional bodies if any: Nil

Sr. No.	Name of the Journal/ Body	ISSN	Position held

d) Participation in the Extra and co-curricular activities: Nil

Seminars/ Conferences/ Workshops Attended/Participated / Paper presentation

Sr. No.	Title of the Seminar/workshop	Level and Sponsorer	Place and Date	Attended/Chaired / Paper presented

iii) Administrative work allotted:

- IQAC Member, Criteria VII
- Member of CDC

iv) Participation of the teacher in college committees (Names and work done in the committee):

- Research Committee: Secretary
Formation of Research Committee
- Science Forum: Chairman
Essay competition

Science Quiz

Poster Competition

➤ Sports Committee: Member

- v) **Participation of the teacher in Faculty competency dev. Program (Refresher / Orientation/Training Programme):Nil**
- vi) **Participation of the Teacher in Extension Activities: Nil**
- vii) **Participation of teacher in student welfare programs : Nil**
- viii) **Awards and recognition received during the year: Nil**
- ix) **Individual efforts taken for quality enhancement:**

Sr. No.	Particular
1.	Conducting both formal and informal education
2.	Carrying out performance assessment
3.	Summarizing assessment results
4.	Conducting co-operative learning
5.	Using studying skills which makes studying and learning new material easier
6.	Educating students which special needs

Academic Benchmarking of the teacher (Future priorities)

Sr. No.	Particular
1.	Providing extensive solved question banks for the students
2.	Publishing text book in the subject that shall provide extra reading for students
3.	Preparing Modules and Lectures using four quadrant method
4.	Providing power point presentations and animations on various topics in subject
5.	Motivating students for collaborative learning

The above information furnished to the IQAC is true and correct as per my knowledge. I assure to provide the documents as per the demand.

1. Signature of the teacher

.....*Signature*.....

2. Signature of the Head of the Department

.....*Signature*.....

3. Signature of the IQAC Coordinator

.....*Signature*.....

4. Remarks of the Principal : _____

.....*Signature*.....
(Prof. Dr. R. S. Patil)

PRINCIPAL
P.S.G.V.P. M. Arts, Science &
Commerce College, SHAHADA
Dist. Nanded (Pin-425409)

Remarks of the External Experts:

Names and Signatures

1)

2)

Academic Audit of The Teacher

Submitted by



Dr. RIYAZALI ZAFARALI SAYYED

डॉ. रियाजअली जफरअली सैय्यद

Department of Microbiology

PSGVP Mandal's Arts, Science & Comm. College,

SHAHADA 425409 Tel (02565) 229576

E-mail : sayyedrz@gmail.com Mob. 9673578286,

AY - 2019-2020



Academic Audit of the Teacher (Academic Year 2019 -2020)

(The form should be submitted at the end of academic year)

A) General Information

i.	Name	:	Dr. RIYAZALI ZAFARALI SAYYED
ii.	Department	:	Microbiology
iii.	Date of Birth	:	01-01-1973
iv.	Category	:	General
v.	Academic Qualifications	:	M.Sc. Ph.D. Microbiology
vi.	Post Held	:	Associate Professor
vii.	Total Teaching Experience	:	16 years
viii.	Date of Superannuation	:	31-12-2032
ix.	Mobile No.	:	9673578286
x.	E-mail	:	sayyedrz@gmail.com

B) Teaching and Learning

Class	Name of the courses taught	No of lectures /allotted	No of lectures engaged Per week	No of practicals /allotted	No of practicals carried out week	Total No of Students offered subject	Max. No. of students who attended lectures	Min. No. of the students who attended lectures	Average attendance of the students in %
FYBSc	01 (T) 01 (P)	01	01	03	01	152	69	07	50%
TYBSc	01 (T) 01 (P)	03	03	12	12	48	36	12	50%

C) Evaluation

I.	Whether teaching plan is prepared at the beginning of the academic year: Yes/ No	:	Yes
II.	Methodologies used for Teaching	:	ICT
III.	Reasons of absentee of the students in the class	:	Irregular students
IV.	Efforts taken to minimize the absentee in the class	:	Conveyed messages through their colleagues
V.	Additional learning resources provided to the	:	Hand outs, power point presentations

	students		
VI.	Nature of Posting (Temporary / Permanent)	:	Permanent
VII.	Innovative Practices used for Teaching	:	Home Assignments
VIII.	Field visit / Study tour/ Excursion tour	:	Nil

i) Examination results - 2019-20 (Semester wise)

Class	Course	No of students appeared for exam	No of student s Failed	No of students in Distinction	No of students in I class	No of students in II class	No of students in Pass Class	Result in %
FYBSc Sem I	MB 101	150	71	04	29	27	19	54.19
FYBSc Sem II	MB 201							
TYBSc Sem I	MB 355	48	02	09	19	16	02	92.53
TYBSc Sem II	MB 365							

ii) Participation in the examination work (Number of turns)

Custodian	:	NIL
Ext. Examiner	:	NIL
Sr. Supervisors	:	NIL
Int. Examiner	:	Yes
Paper Setter	:	Yes- Chairman – TYBSc Question paper setting Oct 2019 and Mar 2020 Exam Yes- Member - M.Sc. Question paper setting Oct 2019 and Mar 2020 Exam
Chairman in CAP	:	Yes (T.Y.B.Sc.)
Jr. Supervisions	:	NIL
Squad	:	Internal Squad
CAP	:	Assessed 1000+ papers
Lab inspection	:	Yes visited R.C. Patel ASC College dated 05-02-2020 as member of LIC for inspection of research lab proposal
Competitive Exam/ CMOU	:	NIL

D) Research Activities

i) M. Phil./ Ph. D. awarded : 02

ii) Research Guidance : 02 Ph.D. students pursuing

Sl No	Guidance for M.Phil./ Ph.D/ Student Project	Name of the Research Scholar	Year of Degree Awarded/Registered	Name of the Univ/ Class
1	Ph.D. (Biotechnology)	Mahesh Shivaji Sonawane	06-02-2020/04-08-2011	KBC NMU
2	Ph.D. (Biotechnology)	Harshal Madhukar Bhamare	06/02/2020/06-05-2013	
3	Ph.D. (Biotechnology)	Hltendra Praksh Jadhav	Ongoing/06-01-2017	
4	Ph.D. (Microbiology)	Mitesh Himmatrao Khairnar	Ongoing /16-10-2019	

iii) Major/ Minor Research Project: NIL

Ongoing and Completed Research Projects and Consultancies: NIL

Title of the Project	Proposed / Complete / ongoing	Agency UGC/ BCUD/ DST	Period	Grant /Amount Mobilized	Outcome of the Project
NIL	NIL	NIL	NIL	NIL	NIL

iv) Consultancy provided : NIL

v) Publications :

a) Books published during the academic year : 06

Sl. No	Title of the Book	Name of publisher	Place of publication	ISBN
1.	Plant Growth Promoting Rhizobacteria (PGPR): Prospects for Sustainable Agriculture	Springer-Nature	Singapore	978-981-13-6789-2
2.	Plant Growth Promoting Rhizobacteria for Sustainable Stress Management Vol 1 Rhizobacteria in Abiotic Stress Management	Springer-Nature	Singapore	978-981-13-6535-5
3.	Plant Growth Promoting Rhizobacteria for Sustainable Stress Management Vol II Rhizobacteria in biotic stress management	Springer-Nature	Singapore	978-981-13-6985-8
4.	Basic Microbial Enzyme and Microscopy & Microbial Ecology	Prashant publication	Jalgaon	978-93-89492-05-7
5.	General Immunology and Basic Industrial Technology	Prashant publication	Jalgaon	978-93-88700-00-0
6.	Introduction to microbial world Basic techniques in microbiology (Pune Univ)	Prashant publication	Jalgaon	978-93-88000-00-0

b) Research Papers published : 20

Sl No	Title of paper	Name of The Journal	Vol. No Pg No	Year of publication	ISSN	IF	h-index
1	Neem cake carrier prolongs shelf life of biocontrol fungus <i>Trichoderma viridae</i>	Indian J. of Experimental Biology	57(5) 372-375	2019	019-5189	00	67
2	Siderophore Production in Groundnut Rhizosphere isolate, <i>Achromobacter</i> sp. RZS2 Influenced By Physicochemical Factors and Metal Ions.	Environmental Sustainability	2(2): 117-24	2019	2523-8922	00	00
3	Purification and kinetics of the PHB depolymerase of <i>Microbacterium paraoxydans</i> RZS6 isolated from a dumping yard	PLOS ONE	14(6) e0212324	2019	1932-6203	2.766	176
4	Genetic assessment of the internal transcribed spacer	Physiology & Mol Biology	26(1) 107-117	2020	0971-5894	1.539	28

	region (ITS1.2) in <i>Mangifera indica</i> L. landraces Bahman Fazeli-Nasab	of Plants					
5	Production, purification and evaluation of biodegradation potential of PHB depolymerase of <i>Stenotrophomonas</i> sp. RZS7	PLOS ONE	15(1) e0220095	2020	1932-6203	2.766	176
6	Isolation and Identification Studies on Potential Xylanase Producing Strain <i>Trichoderma</i> sp. WICC F46 Isolated from Tropical Soil	Journal of Scientific and Industrial Research	79 (2) 153-159	2020	0022-4456	0.735	46
7	Heavy metal stress tolerance in <i>Enterobacter</i> sp. PR14 is mediated by plasmid	Indian J. of Experimental Biology	58(2) 115-21	2020	019-5189	1.165	67
8	Production of alkaline protease by rhizospheric <i>Bacillus cereus</i> HP_RZ17 & <i>Paenibacillus xylanilyticus</i> HP_RZ19	Environmental Sustainability	3 5-13	2020	2523-8922		00
9	Statistical optimization Approaches for high cell biomass production of <i>Lactobacillus casei</i>	Journal of Scientific and Industrial Research	79 (3) 216-221	2020	0022-4456	0.735	46
10	Tree bark scrape fungus: A potential source of laccase for application in bioremediation of non-textile dyes	RZ Sayyed*, HM. Bhamare, Sapna, Najat Marraiki Abdallah M. Elgorban, Asad Syed, Hesham Ali El-Enshasy, Daniel J.	PLOS ONE	PLoS ONE 15(6): e022996 8	1932-6203	2.766	
11	UV Induced Mutagenesis Elevates the Production of Laccase in <i>Enterobacter cloacae</i>	D Thomas, A Gangwane, RZ Sayyed*, Sapna, HA El Enshasy & D N A Zaidel	Journal of Scientific & Industrial Research	May 2020	0022-4456	0.735	
12	Isolation and characterization of endophytic bacteria from ginger (<i>Zingiber officinale</i> Rosc.)	Dilfuza Jabborova*, Kannepalli Annapurna, Mohina Fayzullaeva, Khurshid Sulaymonov Dilbar Kadirova, Zafarjon Jabbarova and R. Z. Sayyed	Annals of Phytomedicine	9(1): 1-6, 2020 June 2020	2278-9839	0.00	

13	Antibacterial resistance trend in urinary tract infections and their control at a tertiary care hospital in Saurashtra region of Gujarat, India.	Dhaval V Parmar, Valentina V Madhulika Mistry, John J George & Nutan P, Vishwakarma	Biosciences, Biotechnology Research Asia	17(2):00 0 (2020) June 2020	0973-1245	0.00	
14	Analysis of nutrients, heavy metals and microbial content in organic and non-organic agriculture fields of Bareilly region- Western Uttar Pradesh, India	Beenam Saxena, Asah Rani and R Z Sayyed	Biosciences, Biotechnology Research Asia	17(2):00 0 (2020) June 2020	0973-1245	0.00	
15	Stimulation of seed germination and growth parameters of rice var. Sahbhagi by <i>Enterobacter cloacae</i> in Presence of ammonia sulphate as Substitute of ACC	PGPR : Prospects for Sustainable Agriculture Sayyed Reddy Antonious eds	117-124	2019	978-981-13-6789-2	00 00	00
16	Microbial Surfactants and Their Significance in Agriculture	Springer-Nature, Singapore	205-216	2019	978-981-13-6789-2	00	00
17	Plant Growth Promoting Rhizobacteria and Salinity Stress : A Journey into the Soil	Plant Growth Promoting Rhizobacteria for sustainable stress Management Vol I Abiotic Stress Management	21-34	2019	978-981-13-6535-5	00	00
18	Psychrotrophic Microbes: Biodiversity, Mechanisms of Adaptation and Biotechnological Implications in Alleviation of Cold Stress in Plant		219-253	2019		00	00
19	Drought Tolerant Phosphorus Solubilizing Microbes: Biodiversity and Biotechnological Applications for Alleviation of Drought Stress in Plant		255-308	2019	978-981-13-6535-5	00	00
20	Rhizobacteria : Legendary Soil Guards in Abiotic Stress Management		327-343	2019		00	00
21	Biosynthesis of Antibiotics by PGPR and Their Roles in Biocontrol of Plant Diseases	Plant Growth Promoting Rhizobacteria for Sustainable Stress Management Vol II Rhizobacteria in Biotic Stress Management	1-36	2019	978-981-13-6985-8	00	00
22	Plant Small RNAs: Big Players in Biotic Stress Responses		217-240	2019		00	00
23	Interaction of Rhizobacteria With Soil Microorganisms : An Agro-Beneficiary Aspect		241-260	2019		00	00
24	Plant Growth Promoting Rhizobacteria: An Overview In Agricultural Perspectives		345-362	2019		00	00

25	Nanoparticles: A New Threat to Crop Plants and Soil Rhizobia?	Sustainable Agriculture Reviews 41	201-214	2020	978-3-030-33995-1	00	00
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c) Membership of the Research Journals /Professional bodies if any:

Sr. No.	Name of the Journal/ Body	ISSN	Position held
1	Environmental Sustainability	2523-8922	Associate Editor
2	Association of Microbiologists of India (A.M.I.)	-----	Life Member
3	Biotechnology Research Society of India (B.R.S.I.)	-----	Life Member
4	Microbiologists Society, India (M.S.I.)	-----	Life Member
5	Indian Phytopathological Society (I.P.S.)	-----	Life Member
6	Asian PGPR Society for Sustainable Agriculture (APSSA)	-----	Life Member

d) Participation in the Extra and co-curricular activities

Seminars/ Conferences/ Workshops Attended/Participated / Paper presentation

Sr. No.	Title of the Seminar/workshop	Level and Sponsorer	Place and Date	Attended/Chaired Paper presented
1	International Conference on Environmental Sustainability : Innovations, Translational Dimensions and way Forward	International	BBA University, Lucknow, 10-12 Feb 2020.	Paper presented
2	6 th Asian PGPR Conference	International	Tashkent Uzbekistan, 18-22 Aug 2019	Paper presented

iii) **Administrative work allotted** : Head, Dept of Microbiology
Coordinator, DBT- Star College Scheme

iv) **Participation of the teacher in college committees (Names & work done)**

- Coordinator PTSA Committee
- Coordinator DBT proposal Committee
- Secretary RUSA committee
- Member IQAC Committee
- Secretary UGC Committee
- Secretary Research Committee

v) **Participation of the teacher in Faculty competency dev. Program (Refresher / Orientation/Training Programme):** NIL

vi) **Participation of the Teacher in Extension Activities: Research & Development**

vii) **Participation of teacher in student welfare programs :** PTSA

viii) **Awards and recognition received during the year:**

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
Excellence in PGPR Research	Dr. R. Z. Sayyed	Asian PGPR Society & National Univ. Uzbekistan	19 Aug 2019	International
Springer Society Award	Dr. R. Z. Sayyed	Springer, India	11 Feb 2020	International
Award for Excellent contribution	Dr. R. Z. Sayyed	Society for Environmental Sustainability	11 Feb 2020	National

ix) Individual efforts taken for quality enhancement

Sr. No.	Particular
1	Use of ICT teaching tools, e-books, e-resources
2	Preparation of Handouts
3	Preparation of laboratory manuals
4	Promotion of research
5	Publication of books and Research papers

Academic Benchmarking of the Teacher (Future priorities)

Sr. No.	Particular
1	Prepared laboratory Manual for F.Y.B.Sc, T.Y.B.Sc and M.Sc. students
2	Authored 03 reference books and 03 text books
3	Submitted two International Projects to DST
5	Published 20 Research papers
6	Produced 02 PhDs
7.	Received 03 International awards
8	Preparation of Teaching modules (Proposed)
9	Preparation of Power point presentations (Proposed)
10	Audio visual presentations (Proposed)

The above information furnished to the IQAC is true and correct as per my knowledge. I assure to provide the documents as per the demand.

1. Signature of the teacher

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2. Signature of the Head of the Department

.....

3. Signature of the IQAC Coordinator

.....

4. Remarks of the Principal : _____

Remarks of the External Experts:

Names and Signatures

1)

2)

(Prof. Dr. R. S. Patil)

Principal
PRINCIPAL

P.S.G.V.P. M's, Arts, Science &
Commerce : College, SHAHADA
Dist. Nandurbar (Pin-425403)