

Academic Research Score (ARS)

As per 4th Amendment of UGC Regulations 2018

Submitted by

Dr. RIYAZALI ZAFARALI SAYYED

डॉ. रियाजअली जफरअली सैय्यद

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2020-2021

KavayitriBahinabai Chaudhari North Maharashtra University, JALGAON.

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REVISED API Pro forma as per 4th Amendment (New UGC Regulation) dated
Academic/Research Score Proforma as per UGC Regulations-2018 dated 18th July, 2018
&

Government Resolution No. Misc-2018 /C.R.56/18/UN-1 Dt. 8th March 2019 and
Corrigendum Dt. 10th May 2019

For CAS promotions for Professor in Colleges
For Faculty of Sciences

1	Name (in Block Letters)	Dr. RIYAZALI ZAFARALI SAYYED डॉ. रियाजअली जफरअली सैय्यद
2	Name of the college	P.S.G.V.P. Mandal's Arts, Science & Commerce College, SHAHADA
3	Department	Microbiology
4	Current designation and grade pay	Associate Professor, 37400-67100 (AGP 9,000)
5	Date of last Promotion	04September 2016
6	Which position and grade pay applicant is eligible under CAS / applying	NOT APPLICABLE
7	Date of eligibility for promotion	NOT APPLICABLE
8	Address (with Pin code)	Department of Microbiology, PSGVPMandal's Arts, Science & Commerce College, SHAHADA District Nandurbar (MS). PIN 425409
	Telephone No	9890234486
	Email	sayyedrz@gmail.com, riyaz829@yahoo.co.in
9	Research Degree	

Degree	Title	University	Date of award	Pg No.
Ph.D.	-----	-----	-----	-----
Ph.D.	Studies on secondary metabolites of <i>Alcaligenes faecalis</i> its applicability in plant nutrition and disease management	North Maharashtra Univ., Jalgaon	02-09-2003	-----
D.Sc/D.Litt	-----	-----	-----	-----

10 Appointments held

Sl No.	Designation	Name of the Employer	Date of Joining		Reason of leaving, if any	Pg No.
			Joining	Leaving		
1	Lecturer	R C Patel Edu. Trut's Arts, Sci. College, Shirpur	2108/04	15/09/05	Got job at mother Institute in home town	---

2	Lecturer	PSGVPM's ASC College, Shahada	16/09/05	31/12/05	NA	
2	Assistant Prof.(AGP 6000/-)	PSGVPM's ASC College, Shahada	01/01/06	21/08/08	NA	
3	Assistant Prof.(AGP 7000/-)		21/08/08	21/08/13	NA	---
4	Assistant Prof.(AGP 8000/-)		21/08/13	21/08/16	NA	
5	Associate Prof.(AGP 9000/-)		04/09/16	07/11/20	NA	---
6	Professor		07/11/20	Till date	NA	---

- 11** Orientation/Refresher/Research Methodology/Syllabus Up-gradation
Workshop/Teaching Learning-Evaluation/Faculty Development Programs /MOOCs course

Sl No	Name of the course	Place	Duration	Sponsoring Agency.	Pg No
1	Orientation Course	UGC-ASC, Kumaun University, Nainital (UK)	20/02/2008-17/03/2008	UGC-ASC	---
2	Refresher course in Bio-science	UGC-ASC HP University, Shimla (HP)	10/11/ 2010- 02/12/2010	UGC-ASC	---
3	Summer School in Basic Science	UGC-ASC JMI University, N. Delhi	03/05/2012 to 23/05/2012	UGC-ASC	---
4	STC – Nanoscience& Nanotechnology	HRDC, Dr BAMU, Aurangabad	29/08/2016-03/09/2016	UGC-HRDC	---

- 12** Tick the appropriate stage your promotion under CAS and mentioned whether you fulfill the minimum Academic Performance Requirements indicated therein:

Tick (✓) Appropriate	Stages of promotion of Teachers through CAS	Service requirement	Minimum academic performance requirements	Eligible Yes/No
	Stage 4 to Stage 5 Level 13 A to Level 14	Associate Professor (Level 13 A) to Professor (Level 14)	<p>i) An Associate Professor who has completed three years of service in Academic Level 13 A.</p> <p>ii) A Ph. D. degree in the subject concerned/allied/ relevant discipline.</p> <p>iii) A minimum of 10 research publications in peer-reviewed or UGC-listed journals out of which three research papers shall be published during the assessment period.</p> <p>iv) A minimum of 110 Research Score.</p>	Not Applicable

Part B: Assessment Criteria

ASSESSMENT CRITERIA: TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

(Since all the activities are based on objectively verifiable records, evidences must be provided to the committee)

Sr. No.	Nature of Activity	Grading Criterion	2020-2021
1	Teaching $\left(\frac{\text{Number of classes taught}}{\text{total classes assigned}} \times 100\% \right)$	<ul style="list-style-type: none"> 80% & above – Good 70-80% Satisfactory < 70% Not satisfactory 	Good (90%)
2	Involvement in the University/ College students related activities/research activities		
a)	Administrative responsibilities such as Head of the Dept	Good -Involved in at least 3 activities. Satisfactory- 1-2 activities. Not-satisfactory - Not involved / undertaken any of the activities	Head of the Dept.
b)	Examination and evaluation duties assigned by the college / university or attending the exam paper evaluation.		<ul style="list-style-type: none"> Paper setter
c)	Student related co-curricular, extension and field based activities such as student clubs, career counseling, study visits, student seminars and other events, cultural, sports, NCC, NSS and community services.		<ul style="list-style-type: none"> PTSA UGC Committee DBT star college scheme Research Committee
d)	Organizing seminars/ conferences/ workshops, other college/university activities.		<ul style="list-style-type: none"> National Conf. SAGE, Bhopal
e)	Evidence of actively involved in guiding Ph.D. students		<ul style="list-style-type: none"> Guiding Ph.D. students
f)	Conducting minor or major research project sponsored by national or international agencies.		-----
g)	At least one single or joint publication in peer reviewed or UGC list of Journals.		30
h)	Any other		Guest Editor- Sustainability
3	Overall grading		Good

Overall Grading:

- Good: Good in teaching and satisfactory or good in activity at Sl.No.2.
- Or
- Satisfactory: Satisfactory in teaching and good or satisfactory in activity at Sl.No.2.
- Not Satisfactory: If neither good nor satisfactory in overall grading.

Date of Ph. D. Degree Awarded	:	02-09-2003
Number of Publications		
1) During Assessment Period	:	34
2) Entire Period	:	164
No. of Ph. D. students Awarded	:	07

Part C : Methodology for calculating Academic/Research Score

- ❖ Assessment must be based on evidence produced by the teacher such as: copy of publications, project sanction letter, utilization and completion certificates issued by the University and acknowledgements for patent filing and approval letters, students' Ph.D. award letter, etc.,
- ❖ The candidate is qualified only if the research score is acquired in minimum of three categories out of following six categories/activities.

Academic/Research Activities:

(1) Research Papers in Peer-Reviewed or UGC listed Journals

- per paper-08 (for Faculty of Sciences/ Engineering/Agriculture/Medical/Vet. Sciences)

The Research score for research papers would be augmented as follows :

Peer-Reviewed or UGC-listed Journals (Impact factor to be determined as per Thomson Reuters list)

- | | |
|---|--------------|
| i) Paper in refereed journals without impact factor | = 5 Points |
| ii) Paper with impact factor less than 1 | = 10 Points |
| iii) Paper with impact factor between 1 and 2 | = 15 Points |
| i) Paper with impact factor between 2 and 5 | = 20 Points |
| ii) Paper with impact factor between 5 and 10 | = 25 Points |
| iii) Paper with impact factor >10 | = 30 Points. |

Sl No	Title of paper with pg No.	Journal Name ISSN No	Peer review wed /UG C listed	IF if any	No of total author	Firs/Principal/ corresponding author	ARS	ARS verified By IQAC
1	Isolation and characterization of endophytic bacteria from ginger (<i>Zingiber officinale</i> Rosc.)	Annals of Phytomedicine 278-9839	YES	0.00		Co-author	3.9	
2	Antibacterial resistance trend in urinary tract infections and their control at a tertiary care hospital in Saurashtra region of Gujarat, India.	Biosciences, Biotechnol Res Asia 0973-1245		0.00		Corresponding	9.1	
3	Analysis of nutrients, heavy metals and microbial content in organic and non-organic agriculture fields of Bareilly region- Western Uttar Pradesh, India	Biosciences, Biotechnol Res Asia 0973-1245		0.00		Co-author	3.9	
4	Statistically Designed Bioprocess for Enhanced Production of Alkaline Protease in <i>Bacillus cereus</i> HP_RZ17	J Scientific & Ind Res 0022-4456		0.725		Corresponding	12.6	
5	Co-inoculation of rhizobacteria and biochar application improves growth and nutrient in soybean and enriches soil nutrients and enzymes	Agronomy 2073-4395		2.603		Co-author	8.4	
6	ACC deaminase and antioxidant enzymes producing halophilic <i>Enterobacter</i> sp. PR14 promotes the growth of rice and millets under salinity stress	Physiology & Mol Biology of Plants 0971-5894		2.005		Corresponding	19.6	

7	Correlation studies among nutritional quality parameters of baby corn	J Scientific & Ind Research 0022-4456	YES	0.725	Co-author	4.5	
8	A Mixture of Piper Leaves Extracts and Rhizobacteria for Sustainable Plant Growth Promotion & Biocontrol of Blast Pathogen of Organic Bali Rice	Sustainability 2071-1050		2.576	Co-author	8.4	
9	Linking organic metabolites as produced by <i>Purpureocillium lilacinum</i> 6029 cultured on Karanja deoiled cake medium for the sustainable management of root-knot nematodes	Sustainability 2071-1050		2.576	Corresponding	19.6	
10	Recent understanding of soil Acidobacteria and their ecological significance: A critical review	Frontiers in Microbiology 1664302X		4.259	Corresponding	19.6	
11	Efficient Kefiran Production by <i>Lactobacillus kefiranofaciens</i> ATCC 43761 in submerged Cultivation: Influence of Osmotic Stress and Nonionic Surfactants, and Potential Bioactivities	Arabian Journal of Chemistry 1878-5352		4.762	Co-author	8.4	
12	Utilization of industrial waste for the sustainable production of bacterial cellulose	Environmental Sustainability 2523-8922		00	Corresponding	3.9	
13	Optimization and scale-up of laccase production by <i>Bacillus</i> sp. Isolated from the soap industry waste site	Environmental Sustainability 2523-8922r		00	Corresponding	9.1	
14	Plant Growth Promoting Rhizobacteria (PGPR) as Green Bioinoculants: Recent Developments, Constraints, and Prospects	Sustainability 2071-1050		2.576	Corresponding	19.6	
15	In silico molecular docking analysis of α -pinene: An antioxidant and anticancer drug obtained from <i>Myrtus communis</i>	International J of cancer management 2008-2398		0.79	Co-author	3.9	
16	Bacterial Plant Biostimulants: A Sustainable Way towards Improving Growth, Productivity, and Health of Crops. Sustainability	Sustainability 2071-1050		2.576	Corresponding	19.6	
17	Silver nanoparticles from insect wing extract: Biosynthesis and evaluation for antioxidant and antimicrobial potential.	PloS ONE 1932-6203		2.766	Co-author	8.4	
18	Long term Impacts of Effluents on Quality of the Kosi River Water at District Rampur, Uttar Pradesh, India	Biosciences Biotechnol Res Asia, 0973-1245		0.00	Co-author	3.9	
19	Production of plant beneficial and antioxidants metabolites by <i>Klebsiella variicola</i> under salinity Stress	Molecules 1420-3049		3.267	Corresponding	19.6	

20	Pythium damping-off and root rot of <i>Capsicum annuum</i> L.: Impacts, Diagnosis, and Management	Microorganisms 2076-2607	4.152	Corresponding	19.6
21	Connecting bio-priming approach with integrated nutrient management for improved nutrient use efficiency in crop species	Agriculture 2077-0472	2.072	Corresponding	19.6
22	Production of biodegradable polymer from agro-wastes in <i>Alcaligenes</i> sp. And <i>Pseudomonas</i> sp.	Molecules 1420-3049	3.267	Corresponding	19.6
23	Effects of combinations of Rhizobacteria, mycorrhizae, and seaweeds on growth and yields in wheat cultivars under the influence of supplementary irrigation	Plants 2223-7747	2.762	Co-author	8.4
24	Inoculation of <i>Klebsiella variicola</i> Alleviated salt stress Salinity and Improved Growth and Nutrients in Wheat and Maize	Agronomy 2073-4395	2.603	Corresponding	19.6
25	Statistical-based bioprocess optimization of amylase production from halophilic <i>Bacillus</i> sp. H7.	Molecules 1420-3049	3.267	Corresponding	19.6
26	Production, purification, and characterization of bacillibactin siderophore of <i>Bacillus subtilis</i> and its application for improvement in plant growth and oil content in sesame	Sustainability 2071-1050	2.576	Corresponding	19.6
27	Cholesterol Reduction and Vitamin B ₁₂ Production Study on <i>Enterococcus faecium</i> and <i>Lactobacillus pentosus</i> Isolated from Yoghurt	Sustainability 2071-1050	2.576	Corresponding	19.6
28	Analysis of Nutritional Quality Attributes and Their Inter-Relationship in Maize Inbred Lines for Sustainable Livelihood	Sustainability 2071-1050	2.576	Co-author	19.6
29	Combined bio-chemical fertilizers ameliorate agro-biochemical attributes of black cumin (<i>Nigella sativa</i> L.)	Scientific Report 2045-2322	4.011	Co-author	8.4
30	Beneficial microbiomes for bioremediation of diverse contaminated environments for environmental sustainability: Present status and future challenges.	Environmental Science & Pollution Research 1614-7499	2.741	Co-author	8.4
31	Insights into the Interactions among Roots, Rhizosphere and Rhizobacteria for Improving Plant Growth and Tolerance to Abiotic Stresses: A Review	Cells 2073-4409	4.366	Co-author	8.4
32	Nanoparticles combined with cefixime as an effective synergistic strategy against <i>Salmonella enteric typhi</i> ,	Saudi J of Biol Sci 1319-562X	2.802	Corresponding	19.6

33	Impact of mineral fertilizers on mineral nutrients in the ginger rhizome and on soil enzymes activities and soil properties	Saudi J of Biol Sci 1319-562X	YES	2.802	Co-author	8.4	
34	Bis- and mono-substituted chalcones exert anti-feedant and toxic effects on fall armyworm <i>Spodoptera frugiperda</i>	Saudi J of Biol Sci 1319-562X		2.802	Corresponding	19.6	
						399	

Note: If peer-reviewed, write the name of reviewer agency and review number.

Note: (a) Two authors: 70% of total value of publication for each author.

(b) More than two authors: 70% of total value of publication for the First/Principal/Corresponding author and 30% of total value of publication for each of the joint authors.

(2) Publications (other than Research papers)

(a) Books authored which are published

- International publishers- 12; National Publishers- 10; Chapter in Edited Book -05; Editor of Book by International Publisher- 10; Editor of Book by National Publisher- 08.

Sr. No	Title of the Book	Name of the Publisher with address	International/National/Chapter in edited book/ of Book by International publ/ Editor of Book by National Publ	Self appraisal Score	Verified Score by Committee	Page No
1	Soil Bioremediation: An Approach Towards Sustainable Technology	Wiley Blackwell, US	International	12		--
BOOKS Chapters						
1	Agriculturally Important Fungi for Sustainable Agriculture: Vol 2: Functional annotation for crop protection	Springer	Book chapter	05		--
Sub Total of 2 (a)				17		

(b) Translation works in Indian and Foreign Languages by qualified faculties

Sr. No	Title of the Book / Research paper	No of authors	Self appraisal Academic/Research score*	Verified Academic/Research score by Committee*
	NIL	NIL	NIL	NIL
Sub Total of 2(b)				NIL
Total of (2) (a) + (b)				17

(3) Creation of ICT mediated Teaching Learning pedagogy and content and development of new and innovative courses and curricula

a) Development of Innovative pedagogy

Sr. No	Innovative pedagogy	Course for which it is applied	No of Innovators	Self appraisal Academic/Research Score*	Verified Academic/Research Score by Committee*
	NIL	NIL	NIL	NIL	NIL
Sub Total of (3) (a)					NIL

b) Design of new curricula and courses

Sr. No	Title of curricula and courses designed	Name of the program	Self appraisal Academic/Research score*	Verified Academic/Research Score by Committee*
	NIL	NIL	NIL	NIL
Sub Total of 3(b)				NIL

C) MOOCs

- Development of complete MOOCs in 4 quadrants (4credit course)-20
- MOOCs (developed in 4 quadrant) per module/lecture- 05
- Course Coordinator for MOOCs (4 credit course)-08

Sr. No	Title of the Massive open online course(s)	No of credits	No of quadrants	Co-Coordinator/ SME/Writer/ Content Presenter	No of Modules	Self appraisal Academic/ Research score*	Verified Academic/ Research score by Committee*
	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Sub Total of 3 (c)							NIL

* MOOC Quadrants means: Quadrant 1: Video Lectures; Quadrant 2: E-content (supporting material like PPT, Pdf, animation etc); Quadrant 3: Discussion Forum (with Learners); Quadrant 4: Assessment (Objective/Descriptive tests, Quizzes etc)

d) E-Content (E-Books/courses under E-PG-pathshala/animated courses etc)

- Development of e-Content in 4 quadrants for a complete course/e-book- 12
- e-Content (developed in 4 quadrants) per module 05
- Development of e-content module complete course/subject/e-book (1 quadrant)- 02
- Editor of e-content for complete course/ paper /e-book 10

Sr. No.	Title of the e-Content (s) /subject/e-book(s)	No of quadrants /complete courses	Writer/ Editor	No. of Modules	Self appraisal Academic/Research score	Verified Academic/ Research score by Committee
	NIL	NIL	NIL	NIL	NIL	NIL
Sub Total of 3 (d)						NIL
Total of 3 ((a) to (d))						NIL

(4) a) Research guidance

- Ph. D. awarded per candidate 10; Ph. D. submitted per candidate 05; and M. Phil./P. G. dissertation 02 per degree awarded.
- For joint supervision of research students, the formula shall be 70% of the total score for Supervisor & Co-supervisor. Supervisor and Co-supervisor, both shall get 7 marks each.

Sr. No.	Ph.D. / M.Phil./ P.G dissertation	Degree awarded/ Thesis submitted	Guide/ co-guide	Self appraisal ARS	Verified ARS by Committee	Pg No.
1	Ph.D.	01 degree awarded	Guide	10	10	---
Sub Total of 4 (a)					10	

b) Research Projects Completed

- More than 10 lakhs -10; Less than 10 lakhs- 05.
- Joint Projects: Principal Investigator and Co-investigator would get 50% each.

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Sr. No.	Title of Project	Name of sponsoring Agency	Period	Grant Amt in Lakhs	Self appraisal Academic/ Research score	Verified Academic/ Research score by Committee
	NIL	NIL	NIL	NIL	NIL	NIL
Sub Total of 4 (b)						NIL

Research Projects Ongoing

- More than 10 lakhs – 05; Less than 10 lakhs- 02
- Joint Projects: Principal Investigator and Co-investigator would get 50% each.

Sr. No.	Title of Project	Name of Sponsoring Agency	Period	Grant/Amt in Lakhs	Self appraisal ARS	Verified ARS by Committee
	NIL	NIL	NIL	NIL	NIL	NIL
Sub Total of 4 (c)						NIL

c) Consultancy- 03

- Joint Projects: Principal Investigator and Co-investigator would get 50% each.

Sr. No.	Type of consultancy	Name of consultancy agency	Period	Self appraisal Academic/ Research score	Verified Academic/ Research score by Committee
	NIL	NIL	NIL	NIL	NIL
Sub Total of 3 (d)					NIL
Total of 4 ((a) to (d))					10

(5)a) Patents

- International-10; National- 07

Sr. No.	Title of Patent	International/National	Year	Patent/Technology Transfers	Self Academic/ Research score	ARS Verified by Committee
	NIL	NIL	NIL	NIL	NIL	NIL
Sub Total of 5 (a)						NIL

b) Awards/Fellowship

- International -07; National -05

Sr. No.	Name of award / Fellowship	Name of Academic Body/Society/ Asso	International /National	Self appraisal ARS	Verified ARS	Pg No
1	Outstanding Achievement Award,	Kalp Lab, Mathura, 26 th Jul 2020	National	05		--
Sub Total of 5 (b)				05		
Sub Total of 5 ((a) to (b))				05		
Total research score of activities (1)to(5) [399+17+000+010+05]					431	

(6) (a) *Policy Document (Submitted to an International organization like UNO/UNESCO/World Bank/International Monetary Fund etc. or Central Government or State Government)

- International -10; National -07; State -04

Sr. No.	Title of Document	International body/ Central /State Govt	Year	Self appraisal ARS	Verified ARS by Committee
	NIL	NIL	NIL	NIL	NIL
Sub Total of 6 (a)					

- (b) * Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference Proceedings (Note: Paper presented in Seminars/Conferences and also published as full paper in Conference Proceedings will be counted only once)
- International (Abroad) -07; International (within country)-05; National -03; State/University -02

Sr. No.	Title of the Seminar/workshop	Organized by	National/ International	Self appraisal ARS	ARS by Committee	Pg No.
1	Recent Trends in Applied Sciences Challenges and opportunities	National	National	05		---
2	Emerging Innovation and Advancement in Biological Sciences Human Welfare and Agriculture Research in Current Era	Kalp Lab, Mathura	International	07		---
3	SAGE Talks	SAGE Univ, Bhopal	National	05		---
Sub Total of 6 (b)				17		---
Total of 6 ((a) to (b))				17		---

Certified that I.Q.A.C. committee of PSGVP ASC college has evaluated the proposal of **Dr. RIYAZALI ZAFARALI SAYYED** as per the regulation of UGC-2018 (4th Amendment 18th July, 2018) and guidelines of Kavayitri North Maharashtra, University, Jalgaon and has awarded following API score for his promotion to the post of Professor.

Category	Activities	ARS
I	Total research score form activities (1) to (6)	448
II	30% of score in (I)	134
III	Total score of activity (6)	317
IV	Minimum of score (in (II) and in (III))	317
V	Total research score of activities (1) to (5)	431
Final research score: score in (IV) + (V)		448

Whether the score is acquired in minimum of 3 categories or not yes/No.: YES

I certify that the information provided is correct as per records available with the college and/or documents enclosed along with the duly filled proforma.



Signature of the teacher
Dr. R. Z. Sayyed



Dr. M. K. Patel
Chairman, IQAC



Prof. Dr. R. S. Patil
Principal

PRINCIPAL

P.S.G.V.P. M's, Arts, Science &
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