SHIVAJI UNIVERSITY, KOLHAPUR

Revised API - PBAS Pro forma for Recruitments and Promotion under CAS as per UGC's 4th Amendment Dated 11th July, 2016 (15/06/2018 - 14/06/2019)

PART A: GENERAL INFORMATION AND ACADEMIC BACKGROUND

1. Name (in Block Letters)

: Dr. LATTHE SANJAY SUBHASH

2. Father's Name

: LATTHE SUBHASH KALLAPPA

3. Department

: PHYSICS

4. Current Designation & Grade Pay

: ASSISTANT PROFESSOR 6000 AGP

5. Date of last Promotion

6. Position and Grade Pay applied under CAS: ASSISTANT PROFESSOR 7000 AGP

:

7. Date of eligibility for promotion

: 15/06/2020

8. Date and Place of Birth

: 01/06/1985, Billur, Tal: Jath - 416404,

DIST: Sangli

9. Sex

: Male

10. Marital Status

:Married

11. Nationality

: Indian

12. Indicate category and sub category (if reserved): OPEN (Hindu - Lingayat)

13. Address for Correspondence (with Pin Code)

Department of Physics,

Raje Ramrao Mahavidyalaya, Jath,

Palace Road, Tal: Jath - 416404, Dist: Sangli, MH, India

14 Permanent Address (with Pin Code):

Subhlaxmi Niwas, In front of Sangola College, Sangola,

A/P: Sangola, Tal: Sangola - 413307, Dist: Solapur, MH, India.

Contact No.: 7030310947, E-mail: latthes@gmail.com

15. Academic Qualification (S.S.C. till post-graduation):

Examination	Name of the University	Year of Passing	% of marks obtained	Division/Class	Subject
S.S.C.	Pune Board, Pune, India	2000	62.00	First Class	ALL
H.S.C.	Pune Board, Pune, India	2002	66.00	First Class	ALL
B. Sc.	Shivaji University Kolhapur, India	2005	76.17	First class with Distinction	Physics
M. Sc.	Shivaji University Kolhapur, India	2007	67.21	First class	Physics

16. Research Degree(s):

Degree	Title	Date of award	University
Ph. D.	Sol-gel Synthesis and Physico-chemical Properties of Silica based Hydrophobic Coatings	14/09/2010	Shivaji University, Kolhapur.
Post-Doctorate	Thermo-responsive polymer coatings	2010 – 2012	Koc University, Istanbul, Turkey
Post-Doctorate	Superhydrophobic membranes for oil- water separation	2012 – 2013	Korea University, Seoul, South Korea
Post-Doctorate	Photocatalytic TiO ₂ coatings on polycarbonate for self-cleaning applications	2013 – 2015	Tokyo University of Science, Tokyo, Japan

17. Appointments held prior to joining this institution:

Designation	Name of Employer	Date of J	Joining		Reason of
- · · · ·		Joining	Leaving	Grade	leaving

18. Posts held after appointment at this institution:

Designation	Department	Date	Grade pay	
		From	To	
Assistant Professor	Physics	15/06/2016	Till Date	6000/-

19. Period of teaching experience:

a) P. G. Classes (in year) : 03 Years b) U.G. Classes (in year) : 03 Years

- 20. Research Experience excluding years spent in M. Phil/Ph.D. (In years): 10 Years
- 21. Fields of Specialization under the Subject/Discipline:
 - a) Solid State Physics
 - b) Materials Science
- 22. Academic Staff College Orientation / Refresher Course/ ISTE AICTE Sponsored STTP/SBP attended so far.:

Name of the Course/ Summer School	Place	Duration	Sponsoring Agency

PART B: ACADEMIC PERFORMANCE INDICATORS

CATEGORY I: TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES.

a. Direct teaching Maximum Score 70, for Assistant Professor, Maximum Score 60 for Associate Professor & Professor.

a. i. Classroom teaching lectures, seminar (As per allocation)

Sr.	Course / Level Paper Mode of Teaching*	Level	Mode of Teaching*	No. of periods/ Hours allotted		No. of periods / Hours engaged	Actual Score (Actual hours spent per
			S	Per Week	Per annum	per Annum	academic year _ 7.5/7.75/7.75)
	D.0	***	Lectures	4	98	98	71.20
1 B.Sc.	S.Sc. UG	Practicals	16	436	436		

Lecture (L), Seminar (S)

a. ii. Classroom teaching (including lectures, seminar) in excess of UGC norms (as per allocation)

Sr. No.	Course/ Paper	Level	Mode of Teaching*	Hours / Periods per academic year engaged	Actual Score (Actual hours spent per academic year 7.5/7.75/7.75)	
1	B.Sc.	UG	Practical's	75	10.00	

^{*} Lecture (L), Seminar (S)

a. iii. Tutorials and Practicals, Field work, Project Supervision (Actual as per student attendance register)

Sr. No.	Course/ Paper	Tutorials/ Practical/ Field work/ Project supervision	Hours / Periods per academic year engaged	Actual Score (Actual hours spent per academic year	
		Tutorials	20	2.6	
		Seminar	25	3.3	
		Project Supervision	45	6.0	
	Tota	al	80	10.5	

Sub Total a. Direct Teaching Max. Score 70/60 Actual Score – a i+ii+iii = 71.20+10.40+10.50 = 92.10

b. Examination duties - Maximum Score 20, for Assistant Professor& Associate Professor, Maximum Score 10 for Professor.

Sr. No.	Type of Duties	Dates from – to	Actual Hours spent	Actual Score (Actual hours spent per academic year 10)
Invigilation Supervision	Jr. supervisor	04/10/17 To 03/11/17 & 22/03/18 To 05/05/18	20 27	22.26
	Sr. supervisor	07/05/18To 20/05/18	120	
Flying squad				
Custodian				
CAP Director/Asst. director				
Unfair menace committee				
Lapses committee				
Internal assessment	B.ScI Paper assessment	04/05/17-07/05/17 02/11/17-05/11/17	21 15	
	B.ScI Practical examiner	02/03/18-10/03/18	54	12.0
External assessment	B.ScII Paper assessment B.ScIII Practical examiner B.ScII Practical examiner	19/11/18-20/11/18 14/04/17-22/04/17 16/02/18-19/02/18 15/03/17-21/03/17	12 54 24 21	14.8
re evaluation			-	
Total Actual Score				49.06

c. Innovative Teaching-Maximum Score 10 for Assistant Professor, Maximum Score 15 for Associate Professor, Maximum Score 20 for Professor.

Sr. No.	Nature of Activity	Max Score	Actual hours spent per academic year	Actual Score (Actual hours spent per academic	
1	Learning Methodologies			year_10)	
2	Use of innovative methodologies for teaching –		60	6	

	(Use Charts and Model)			
3	Use of ICT		20	2
4	Updating of subject content (Use of Internet Facility and Reference Books)		30	3
5	Course improvement	-		
6	Preparation of study material		80	08
7	Interaction with entrepreneur / social worker	=		
8	Mentoring		35	3.5
9	Participative teaching		20	2
10	Role playing	-		
	Subtotal (max score 10)	10/15/20		24.5
	Total of Category 1 Max score	100/95/90		165.66
	Minimum API score required for Category I *	80/75/70		

Note: * Assistant Professor Stage 1 to 2 = 80, Stage 2 to 3 = 80, Assistant Professor to Associate Professor Stage 3 to 4 = 75, Associate Professor to Professor Stage 4 to 5 = 70 Professor Stage 5 to 6 = 70

CATEGORY: II PROFESSIONAL DEVELOPMENT, CO-CURRICULAR AND EXTENSION ACTIVITIES

Category II	Nature of Activity	Maximum API Score	Actual score
a.	Student related co-curricular, extension and field based activities. (i) Discipline related co-curricular activities (e.g. remedial classes, career counselling, study visit, student seminar and other events.) (ii) Other co-curricular activities (Cultural, Sports, NSS, NCC etc.) (iii) Extension and dissemination activities (public/popular lectures/talks/seminars etc.)	15	Actual hours spent per academic year ÷ 10
b	Contribution to corporate life and management of the department and institution through participation in academic and administrative committees and responsibilities. i). Administrative responsibility (including as Dean / Principal / Chairperson / Convener / Teacher-in-charge/similar other duties that require regular office hrs for its discharge) (ii). Participation in Board of Studies, Academic and AdministrativeCommittees	15	Actual hours spent per academic year ÷ 10

С	Professional Development activities (such as participation in seminars, conferences, short term training courses, industrial experience, talks, lecturesin refresher / faculty development courses, dissemination and general articles and any other contribution)	15	Actual hours spent per academic year ÷ 10
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Category II	Nature of Activity	Maxim um API	Score Actual score	Verified API Score	Pag e No.
A	Student related co-curricular, extension and field based activities. i. Discipline related co- curricular activities organized				
	•		40÷10 =04		
	Student seminar	15	20÷10 =02		
	Remedial classes		10÷10 =01		
	Career counselling		20÷10 =02		
	NET/SET/GETT/Workshop (1 week)				
	• Quiz, debate, elocution, (on subject)				
	Essay competition on subject				
	• Exhibition		06÷10 =0.6		
	Subject / faculty day celebration		04÷10 =0.4		
	Survey conduction				
	Subject association activity (Evidence to be provided.) Observer for M.ScI admission round		06÷10 =0.6		
	ii. Other co-curricular activities • Cultural prog. coordinator	15			
	• NSS, NCC officer/ Assit officer		100÷10 =10		
	Eradication of superstitions				
	• Tree plantation		04÷10 =0.4		
	• AIDS / Awareness		06÷10 =0.6		
	Blood donation camp				
	Student welfare officer				
	Placement committee member		06÷10 =0.6		
	• Sports Committee (Evidence to be provided.)		08÷10 =0.8		
	iii. Extension and dissemination activities	15			
	Positions held / Leadership role played in organization linked with Extension work				

			- 52		·
	Community work such as—National integration, human Right, peace, Scientific temper flood/ drought relief				
	Public lectures delivered (Related to subject)				
	Talks delivered in a programme as chief guest				
	Seminars in public interest				
	General awareness activities		15÷10 =1.5		
	- General awareness activities		15-10-1.5		
	Organizing subject related event like lecturer on special topics		05÷10 =0.5		
	Popular writings not covered under(III) (Evidence to be provided.)				
В	Contribution to corporate life and management of the department and institution through participation in academic and administrative committees and responsibilities. i. Administrative responsibility • Dean, Principal, management council member	15			
	Director of school/institute			_	
	• IQAC coordinator, Member of IQAC (Criterion III chairman)		70÷10 =7		
	Refresher/orientation coordinator				
	Head of Department/ P.G. Co-ordinator		180 ÷10=18		
	Chairperson/ Convener (Secretary)				
	Teacher-in-charge or similar duties that require regular office hours for its discharge) per duty				
	ii. Participation in • BOS/ Faculty / Academic Council /	15			
	Senate/ any other University Committee				
	Chairman for subject related event like.				
	Ph.D. Open Defense Session.				
	Various Scrutiny meeting				
	Resource Person/ Speaker for subject related event				
	Referee/ Judge for subject related event etc.				
	Administrative Committees				
	Editorial Board				
	Local management committee				
	Admission committee		70÷10 =7		
	Campus development				
			1		

	Library committee		70÷10 =7	
	Standing Committee			
	• Sexual Harassment &Prevention Committee etc.			
	Membership / participation in State /			
	Central bodies/committees on education research			
С	Professional Development activities •participation in seminars, conferences,	15	42÷10 =4.2	
	Short term training courses,			
	Industrial experience,			
	• Talks,			
	 Lectures in refresher / faculty development courses, 			
	 Dissemination and general articles and any other contribution 			
	Total of Category II Max score	45	67.20	
	Minimum API score required for Category II (for Assessment period)	*50/50/ 50		
	ii (tot Assessment period)	/50/100		

Stage 1 to 2 = 50, Stage 2 to 3 = 50, Stage 3 to 4 = 50, Stage 4 to 5 = 50, Stage 5 to 6 = 100

VERIFIABLE CRITERIA:

- 1) Academic Dairy,
- 2) Bio Metric Generated Slips.
- 3) Attendance sheets,
- 4) Certification by HOD / Principal,
- 5) Supporting Documents

^{*} Teachers may score the balance of points from either Category II or Category III to achieve the minimum score required under Category II + III.

CATEGORY: III. RESEARCH, PUBLICATIONS AND ACADEMIC CONTRIBUTIONS

III A) (i) Published Papers in Referred Journals* (25 points per publication)

Sr. No	Title with page Nos.	Journal	ISSN/ ISBN NO.	Impact Factor, if any	No. of co- Autho-rs	Whethe r princip al author/corresp o-nding author / Guide	Self Apprai- sal score	API score Verified	Page No. of relevan t docume nts
1	"Polyelectroly te-assisted soft reduced process for Pt-Cu nanoclusters with enhanced electrocatalyti c activity for the methanol oxidation reaction"	Journal of Physics and Chemistry of Solids, 2019, 124, 361- 366.	ISSN: 0022- 3697	IF = 3.44	Li, S. Li, Y. Liu, T. Ochiai, S. S. Latthe, K. Nakata, R. Xing, S. Liu	No	3		
2	"Self- cleaning superhydroph obic coatings: Potential industrial applications"	Progress in Organic Coatings, 2019, 128, 52-58. (IF = 2.97).	ISSN: 0300- 9440	IF = 4.46	S. S. Latthe, R. S. Sutar, V. S. Kodag, A. K. Bhosale, A. M. Kumar, K. K. Sadasivun i, R. Xing, S. Liu	Yes	5		
3	"Superhydrop hobic Leaf Mesh Decorated with SiO2 Nanoparticle— Polystyrene Nanocomposit e for Oil— Water Separation"	ACS Appl. Nano Mater., 2019, 2 (2), pp 799–805.	ISSN: 2574- 0970	IF = 4.5	S. S. Latthe, R. S. Sutar, T. B. Shinde, S. B. Pawar, T. M. Khot, A. K. Bhosale, R. Xing, L. Mao, S. Liu	Yes	5		
4	"CoS2 nanodots anchored into heteroatom-	Journal of Power Sources 2019,	ISSN: 0378- 7753	IF = 8.24	B. Li, R. Xing, S. V. Mohite, S.	No	3		

doped carbon layer via a biomimetic strategy: Boosting the oxygen evolution and supercapacitor performance"	S. Latthe, A. Fujishima , S. Liu, and Y. Zhou		
ıb Total A (i)		16	

(**15 points for publication + 5 points for index

Published Papers in Other Reputed Journals as notified by the UGC* (10 points per publication)

Sr. No	Title with page Nos.	Journal	ISSN/ ISBN NO.	Impact Factor, if any	No. of co- Autho -rs	Whether principal author/ corresponding author / Guide	Self Apprai- sal score	API score Verified	Page No. of relevant documen ts
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III B) Publications other than journal articles (books, chapters in books)

(i) Text/Reference, Books published by International Publishers, with ISBN/ISSN number as approved by the University and posted on its website. The List will be intimated to UGC. (30 Points per Book for Single Author)

Sr. No	Title with page Nos.	Type of Book &Authors hip	Publis her & ISSN/ ISBN No.	Whether peer reviewed	No. of co- Autho- rs	Whethe r princip al author/corresp o-nding author / Guide	Self Apprai -sal score	API score Verified	Page No. of relevant docume nts
1	"Lotus Effect- based Superhydro phobic Surfaces: Candle Soot a promising class of Nanoparticl es for Self- cleaning and Oil- water	Surface Coatings and Adhesives: Sustainabl e Technologi es and Applicatio ns, 2019, Royal Society of Chemistry (RSC), 92- 119.	978-1- 78262- 994-8	Yes	S. S. Latthe, Kazuy a Nakata , Rainer Höfer, Akira Fujishi ma, Chiaki Terashi ma,	No	3		

Sub Total B (i)		
Separation Application s"		

(ii) Subject Books, published by National level publishers, with ISBN/ISSN number or State / Central Govt. Publications as approved by the University and posted on its website. The List

will be in	timatea i	to UG	. (20 Point	s per	Book	for Sing	le Author)
TOTAL .	-43 700		D 11: 1			0	

Sr. No	Title with page Nos.	Type of Book &Auth orship	Publisher & ISSN/ ISBN No.	Whether peer reviewed	No. of co- Auth o-rs	Whether principa I author/ correspo-nding author / Guide	Self Apprai -sal score	API score Verified	Page No. of relevant docume nts
Nil									I
Sub	Total B (ii)								

(iii) Subject Books, published by other local publishers, with ISBN/ISSN number as approved by the University and posted on its website. The List will be intimated to UGC. (15 Points per Book for Single Authour)

Sr. No	Title with page Nos.	Type of Book &Auth orship	Publisher & ISSN/ ISBN No.	Whether peer reviewed	No. of co- Autho -rs	Whether principal author/ correspo- nding author / Guide	Self Apprai- sal score	API score Verified	Page No. of relevant documen ts
Nil						Juice			
Sub	Total B (iii)					-			

(iv) Chapters in Books, published by National and International level publishers, with ISBN/ISSN number as approved by the University and posted on its website. The List will be intimated to UGC. (International -10 points per Chapter National - 5 Points per Chapter

Sr. No	Title with page Nos.	Type of Book &Auth orship	Publisher & ISSN/ ISBN No.	Whether peer reviewed	No. of co- Auth o-rs	Whether principa I author/ correspo -nding author / Guide	Self Apprai -sal score	API score Verified	Page No. of relevan t docum ents
	NIL								
Sub	Total B (iv)						0		
Total B(i+ii+iii+iv)						19			

III C) Research Projects:

III C (i) Sponsored Projects

Sr. No	Type of project	Title	Agency	Year of completi on	Whether Co-PI	Grant (Rs. Lakh)	Self apprai sal Score	API score Verified	Page No. of relevant documen ts		
	Nil										
	Sub Tota	Sub Total C (i)									

III C (ii) Consultancy Projects (Amount mobilized with minimum Rs.10 lakhs for Engineering/sciences & minimum of Rs.2 lakhs for others, 10 points for every Rs 10 lakhs & Rs. 2 lakhs. respectively)

Sr No	Type of project	Title	Agency	Year of comple tion	Whether Co-PI	Grant (Rs. Lakh)	Self appraisal Score	API score Verifi ed	Page No. of relevant documen ts	
	Nil									
	Sub Total C (ii)									

III C (iii) Projects Outcome/Output:

Patent / Technology transfer / Product process

Major Policy document prepared for international bodies like WHO/UNO/UNESCO/UNICEF etc. Central / State Govt./Local Bodies(30 for each International / 20 for each national level output or patent. Major policy document of International bodies - 30 Central Government - 20, State Govt.-10 Local bodies - 5)

Sr No	Name of the Project	Fund ing Agen cy	Agency	Whether Co-PI	Amount Mobilize d (Rs.)	Self appr aisal Score	API score Verified	Page No. of relevant documents
	Nil	1						
	Sub Tota	ıl C (iii)						

Total C(i+ii+iii)	Nil	

III D Research Guidance (In the case of joint supervision points are to be equally shared) (For M.Phil. degree awarded 5 points per candidate, Ph.D. degree awarded 15 points per candidate. Ph.D. thesis submitted 10 points per candidate)

Enrolled	Submitted	Degree awarded	API Score Claimed by the candidate	API Score Verified	Page No. of relevant documents
	Enrolled			by the candidate	by the candidate

III E Fellowships, Awards and Invited lectures delivered in conferences / seminars

III E (i) Fellowships/ Awards.

Sr. No.	Fellowship / Award	Year	Level International /National / State / University	Awardee Academic Body/ Association	API Score Claimed by the candidate	API Score Verified	Page No. of relevant documents
Nil							
	Total E (i)						

III E (ii) Invited lectures / papers International level 7 per lecture, National level 5 per lecture, State / University level 3 per lecture

Sr. No	Title of Lecture /Academic Session	Title of Conferenc e /Seminar etc	Organize d by	Whether international /National	API score claime d	API Score Verifie d	Page No. of relevant documents
Sub	Total E (ii)						

a. Invited lectures

(ii) Invited lectures / papers International level 5 per paper, National level 3 per paper, State University level 2 per paper

a. Papers presented

Sr. No	Title of Lecture /Academic Session	Title of Conferenc e /Seminar etc	Organize d by	Whether international /National	API score claime d	API Score Verifie d	Page No. of relevant document s
	NIL						
Sub	Total E (ii)	•			0		
Tota	ıl E(i+ii)				0		

III (F) Development of e-learning delivery process/material 10 per module- Nil III SUMMARY OF API SCORES

Cat.		API score claimed	API score Verified	Page No.
I	Teaching, Learning And Evaluation Related Activities	165.66		
II	Professional Development, Co-Curricular and Extension Activities	67.20		
III	Research and Academic Contribution	19.0		
	TOTAL API(I + II + III) (Minimum Score required 90/120/150/180)	251.86		

LIST OF ENCLOSURES:

(Please attach, copies of certificates, sanction orders, papers etc. wherever necessary)

- 1. Exam duty orders
- 2. Workshop & conference certificates.
- 3. Syllabus completion report.

- 4. Exam Supervision order.
- 5. College examiner attendance certificates.
- 6. Published Papers.
- 7. Certificate of paper presented in conference.

UNDERTAKING

I **Dr. Latthe Sanjay Subhash** undertake that the information provided is correct as per records submitted by me to College / Institute / University and / or documents enclosed along with the duly filled PBAS proforma.

My PBAS based APIs score carries

251.86

Place: Jath

Date:30/06/2019

Place: Jath

Date: 30/06/2019

Place: Jath

Date: 30/06/2019

Signature of the faculty

(Dr. Latthe Sanjay Subhash)

Dr. Sanjay S. Latthe JSPS Fellow Department of Physics,

Raje Ramrao Mahavidyaiaya..Jatt Dist-Sangii.(M.S.) 416 404 881 (0111)e

Signature

Head of the Department

HEAD.

Department of Physics, Raje Ramrao College, Jath,

Principal

I/c. Principal
Raje Ramrao Mahavidyalaya,Jath
Tal-Jath,Dist-Sangli.

N. B.: The individual PBAS proforma duly filled along with all enclosures, submitted for CAS promotions will be duly verified by the college/Institute/university as necessary and placed before the Screening cum Evaluation Committee or Selection Committee for assessment / verification.