



Rayat Shikshan Sanstha's
Yashwantrao Chavan Institute of Science, Satara (Autonomous)
Lead College of Karmaveer Bhaurao Patil University, Satara

Faculty Profile

❖ **General information**

Name : Dr. Abhijit Arvind Pisal
Designation : Assistant Professor
Department : Physics
Educational Qualification : M.Sc., Ph.D.
Date of Appointment : 27.02.2020
Teaching Experience : UG: 3 years
PG: 3 years
Research Experience : 10 years
Research Area : Material Science



❖ **Educational Qualification Details (undergraduate onwards)**

Sr. No.	College/University	Degree	Subjects	Year	Class/ Percentage
1	YCIS, Satara	M.Sc.	Physics	2010	
2	Shivaji University, Kolhapur	M.Sc.	Physics	2012	
3	Shivaji University, Kolhapur	Ph. D	Physics	2017	

❖ **Academic and Administrative Responsibilities**

Sr. No.	Position	Organization	Date/Duration
1	Coordinator (Material Science)	Yashwantrao Chavan Institute of Science, Satara	
2	Chairman, Vivekvaahini & Vidnyan Manch	Yashwantrao Chavan Institute of Science, Satara	
3	Chairman, Rational Thinking Cell	Yashwantrao Chavan Institute of Science, Satara	
4	Chairman, Invention Cell	Yashwantrao Chavan Institute of Science, Satara	

❖ **Awards/Honors/Recognitions/Scholarship etc.:**

Sr. No.	Name of the award/honor/recognition	Awarding Organization	Date and year
1	DAAD Fellowship	German Aerospace Center, Germany	1 March, 2018

❖ **Membership to Professional Organizations/Associations:**

Sr. No.	Membership type (Annual/Life/any other)	Organization/Association	Date and year
1			
2			
3			
4			
5			

❖ **Worked as Editor/Reviewer to Journals/Books/Proceedings etc.**

Sr. No.	Name of the Journal/Book/Proceedings	ISSN/ISBN No.	Assignment (Editor/Reviewer)	Publisher	Publication year
1					
2					
3					
4					
5					

❖ **Research Projects (Ongoing/Completed)**

Sr. No.	Title of Project	Duration	Amount Sanctioned (in Lakhs)	Agency	Status (Ongoing/Completed)
Major Research Project					
1					
2					
Minor Research Project					
1					
2					

❖ **Research Guidance:**

- Number of students (M.Phil) 1) Completed: 2) Registered:
- Number of students (Ph.D.) 1) Completed: 2) Registered:

❖ **Details of Research Publications**

A) Patent

Sr. No.	Title	Patent No.	Indian/US/Any other	Granting date
1				
2				
3				
4				
5				

B) Books/Book Chapters

Sr. No.	Title	Publisher	Year of Publication	ISBN No	Type (Reference/Text)
1					
2					
3					
4					

C) Datasets Submission

Sr. No.	Title	Accession No.	Data base	Year of publication
1				
2				

D) Research papers:

Sr. No	Title of paper	Journal/proceeding details (Name, volume, page no, year of publication etc.)	ISSN No	Listed in Scopus/Web of Science/ UGC Care	Impact factor (If any)
1	Radiant heat protective performance of clothing assemblies with flexible aerogel-Nomex nonwoven composite as thermal insulation	Indian Journal of Fibre & Textile Research, 44, 396-403 (2019)	(4)	Yes	
2	Comparative studies of laser induced plasma in TEOS and MTMS based aerogels and solid quartz	MRS Advances 2, 1-6 (2017)	-	Yes	
3	X-ray and ion emission studies from sub-nanosecond laser irradiated SiO ₂ foam targets	Laser and Particle Beams, 35, 505-512 (2017)	(3)	Yes	
4	In-situ synthesis of silica aerogel in polyethylene terephthalate fibre nonwovens and their composite properties on acoustical absorption behavior	Journal of Porous Materials, 2017, 1-9 (2017)	-	Yes	

5	Corrigendum to "Synthesis and Characterization of Fibre Reinforced Silica Aerogel Blankets for Thermal Protection"	Advances in Materials Science and Engineering, 2017(2017) Article ID 2092809, 1.	-	Yes	
6	Development of hydrophobic and optically transparent monolithic silica aerogels for window panel applications	Journal of Porous Materials, 24685-695 (2016).	(3)	Yes	
7	Comparative studies on the physical properties of TEOS, TMOS and Na ₂ SiO ₃ based silica aerogels by ambient pressure drying method	Journal of Porous Materials, 231547-1556 (2016).	(6)	Yes	
8	Synthesis and characterization of Fibre Reinforced Silica Aerogel Blankets for Thermal Protection	Advances in Materials Science and Engineering, 2016, 1-8 (2016) Article ID 2495623,.	-	Yes	
9	Dip Coated Superhydrophobic and Anticorrosive Silica Coatings	International Journal of Materials Science and Engineering, 4, 60-68 (2016).	(1)	Yes	
10	10.Comparative Studies of Commercially Available Thermal Insulation Materials and Sol–Gel Processed Thermal Insulation Materials	Journal of Chemical, Biological and Physical Sciences,C, 5, 1944-1949 (2015).	(2)	Yes	

E) Paper Presentation in Conference /Seminar/ Symposia:

Sr. No	Title of paper	Name of the Conference /Seminar/ Symposia Details (Title, Date, Page No etc.)	Level (Intl/Natl/State /Uni etc.)	Organizing institute
1				
2				
3				
4				

F) Citation Index

	Google Scholar	Scopus	Web of Science
Citations			
h-index			
i10-index			

❖ Participation in Orientation/Refresher/FDP/Short Term/Training Programs:

Sr. No	Name of the programme	Organizing institute	Date
1	MS-DEED Level 1 In-person Workshop on Introduction to Innovative Pedagogies for College Teachers	Maharashtra State Faculty Development Academy, Pune	15.02.2023 to 17.02.2023
2	ONLINE TWO - WEEK REFRESHER COURSE in "PHYSICS"	Teaching Learning Centre Ramanujan College, University of Delhi	09.06.2023 to 23.06.2023
3	4-Week Faculty Induction /Orientation Programme for "Faculty in Universities /Colleges/Institutes of Higher Education"	Teaching Learning Centre Ramanujan College, University of Delhi	21.11.2023 to 20.12.2023

❖ Participation in Conference/Seminar/Symposia/Workshop/Any other programs:

Sr. No.	Name of the event	Organizing institute	Level (Intl/Natl/State/Uni/Local etc.)	Date
1				
2				
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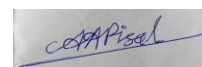
❖ Resource person in Conference/Seminar/Workshop/Any other programs:

S.	Title of the event	Level (Intl/Natl/	Organizer	Date

No.		State/Uni./local etc.)		
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❖ **Chaired Sessions in Conference/Seminar/Workshop etc.:**

S. No.	Title of the event	Level (Intl/Natl/ State/Uni./local etc.)	Organizer	Date
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2				
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Signature of Faculty