Personal Profile

Name :Dr. Ashwin Prabhakarrao Pachkawade

Qualification :M.Sc., Ph.D.

Designation :Assistant Professor

Department : Physics

MobileNo. : 9511708965

Permanent Address : 'Laxmi- Narayan, Malipura, Ward No. 15, Chandur Railway, Tq. – Chandur Railway,Dist. Amravati 444904

Date of Birth: 10/10/1977

Website :ashwin.pachkawade@rssc.edu.in

Email :ashwinashwin1978@rediffmail.com

Teaching Experience: 16 Years

Subject Expertise : Digital Electronics

Research Experience : 20 years

Languages Known : English, Marathi, Hindi

Nationality : Indian

Area of Research : Sant Gadge Baba Amravati University, Amravati

Name of college : Rajarshee Shahu Science College, Chandur Railway

Date of Joining : 14 Sept. 2010

Academic Contribution: Publish book for UG students

Other contribution in college committee:

1) Alumni Association (Convener)
2) Purchase Committee (Member)

Membership:

1) Life Member of Amravati University Physics Teachers' Association
2) Life Member of Indian Science Congress Association
3) Life membership of Society for Technologically Advanced Material of India

EDUCATIONAL QUALIFICATIONS:

EXAMINATION	UNIVERSITY	YEAR OF PASSING
Ph.D.	S.G.B.A.University, Amravati	**2009**
M.Sc. (Physics)	Dr. B.A.M. University, Aurangabad	**2003**
B.Sc.	Dr. B.A.M. University, Aurangabad	**2001**

WORK EXPERIENCE:

- Worked as Asst. Professor in Arts, Commerce and Science College, Arvi, Dist. Wardha since 2006 to 2008
- Working as Asst. Professor in Rajarshee Shahu Science College, Chandur Railway since 14 Sept. 2010 to onwards

Research paper publication in journals: International :26
National :04
Paper presented in conference: 04

Sr. No.	Title of the Research Paper	Authors	Reference of Page No. in UGC List & Year/Date of Publication	Published in International/ National/peer reviewed journal	Impact factor if any
1	Electron Temperature as Well as Radial Profile of Spectral Emission Also Change Due to Formation of a Laser Pulse	A. P. Pachkawade	ISBN 978-81-19931-25-5 Page no. 254-257 10 Feb. 2024	International Journal of Recent Advancements in Science and Technology	**7.214**
2	Investigated as tunneling behavior of electrolytic solution using DC glow discharge	A. P. Pachkawade	ISBN 978-81-19931-25-5 Page no. 258-261 10 Feb. 2024	International Journal of Recent Advancements in Science and Technology	**7.214**
3	Behaviour Investigated As Tunneling Behaviour of Electrolytic Solution Using DC Glow Discharge	A. P. Pachkawade	Volume 9, Issue 13 | Published : 15 May 2022 Page No : 262-266	International Journal of Scientific Research in Science and Technology	**7.214**
4	The Divergence of the Laser Beam Emitted By This Segment Would Have Less Angle of Divergence Because the Plasma Has Less Thickness	A. P. Pachkawade	Volume 9, Issue 13 | Published : 15 May 2022 Page No : 257-261	International Journal of Scientific Research in Science and Technology	**7.214**
5	Using Fourier Transform Technique Investigate of Temporal and Spatial Coherence of Radiative Material	A. P. Pachkawade	Volume 8 - Issue 1 - Published : February 10, 2021 – Page No : 119-122	International Journal of Scientific Research in Science and Technology	**7.214**
6	Electron Temperature as Well as Radial Profile of Spectral Emission Also Change Due to Formation of a Laser Pulse	A. P. Pachkawade V.K. Jadhao	Volume 8 - Issue 1 - Published : February 10, 2021 – Page No : 265-268	International Journal of Scientific Research in Science and Technology	**7.214**
7	Recent Deposition Techniques in thin film	A.P. Pachkawade,	P. No. 235-239 Year :2019-2020	B Adhar Internatioinal	**7.675**

	and their applications	Sakeena Masrat and S.K. Devade		Peer-Reviewed Indexd research journal	
8	The Initial Inversion Density Is Constant throughout the Laser Medium for calculating Radial Variation of peak power across the Laser medium.	A. P. Pachkawade	Page No. 287 Year 2019-2020	Aayushi International Interdisciplinary Research Journal	6.261
9	Study Of Glow Discharge Of Various Elements, At Different Wavelengths	A. P. Pachkawade S.K. Dewade	Page No. 294 Year: 2021-2022	Aayushi International Interdisciplinary Research Journal	6.261
10	Characteristics of any laser is the Divergence of its output radiation which plays important role in the determination of Photon Flux	A. P. Pachkawade V.K. Jadhao	Year: 2018-2019 ISSN 2277-5730	AJANTA International Journal	**5.5**
11	Distribution of the atom and Ion densities for finding radial profile in Copper vapour Laser on different electron temperature	A. P. Pachkawade	Year: 2018-2019 ISSN 2277-5730	AJANTA International Journal	**5.5**
12	Evaluating the parameters like radial profile as well as emission of a laser beam on different electron temperature	A. P. Pachkawade	Year: 2018-2019	RESEARCH JOURNEY International E-Research Journal	**6.261**
13	Variation of electrolytic current when applied voltage during glow discharge	A. P. Pachkawade	Year: 2018-2019	RESEARCH JOURNEY International E-Research Journal	**6.261**
14	Effect of Deposition Rate on the structural and optical properties of copper sulphide Thin Films	A. P. Pachkawade K. P. Kadam	Year: 2018-2019	RESEARCH JOURNEY International E-Research Journal	**6.261**
15	The Initial Inversion Density Is Constant throughout the Laser Medium for calculating Radial Variation of peak power across the Laser medium.	A. P. Pachkawade	Page No. 287 Year:2020-2021 ISSN-2349-638X	Aayushi International Interdisciplinary Research Journal	**6.261**
16	Study Of Glow Discharge Of Various Elements, At Different Wavelengths	A. P. Pachkawade S.K. Dewade	Page No. 294 Year:2020-2021 ISSN-2349-638X	Aayushi International Interdisciplinary Research Journal	**6.261**
17	Investigation of Ionization, Recombination and Fractional Abudunces of different Ionic Species	A. P. Pachkawade	ISSN 2325-6011 Year:2017-2018	International Journal of Scietific Research in Science and	**5.327**

				Technology	
18	Temporal and spatial distribution of output power from different electron temperature in copper vapour laser	A. P. Pachkawade	ISSN 2325-6011 Year:2017-2018	International Journal of Scietific Research in Science and Technology	**5.327**
19	Radial Distribution of the atom and ion density in the Copper Vapour Laser discharge	A. P. Pachkawade	ISSN 2393-8374 Year:2017-2018	Technical Research organization India	**4.57**
20	Laser Transition as a function of time for different Initial inversion density	A. P. Pachkawade V. K. Jadhao	2349-638x Year:2017-2018	Aayushi International Interdisciplinary Research Journal	**4.57**
21	Investigation under DC glow discharge Spectrometry	K. P. Kadam	2349-638x Year:2017-2018	Aayushi International Interdisciplinary Research Journal	**4.57**
22	Output of Laser beam is strongly dependent on electron temperature in the discharge tube	A. P. Pachkawade	ISSN 2319-7064 Year 2014-2015	International journal of science and research (IJSR)	**4.438**
23	International of temporal and spatial coherence of radioactive material by Fourier transform techniqu	A. P. Pachkawade K. P. Kadam	ISSN 2347-517X Year 2014-2015	International journal of research in Bio-Sciences, Agriculture and Technology	**4.438**
24	Synthesis and characterererization of Cadmium Chalcogenide thin films by chemical bath technique	K.K. Hurde S.S. Kawar A.P.Pachkawade A.B. Lad	ISBN 978-81-929160-2-6 Year 2013-2014	National Conference on Recent trends in Mathematics, Physics and their Application	--
25	Output power as function of electron temperature in copper vapour Laser	A.P.Pachkawade K.P. Kadam V.K. Jadhao	ISBN 978-81-929160-2-6 Year 2013-2014	National Conference on Recent trends in Mathematics Physics and their Application	---
26	Temporal distribution of the Laser output power in Copper Vapour Laser	A.P.Pachkawade S.K. Dewade S.S. Kawar K.K. Hurde	ISBN 978-81-929160-2-6 Year 2013-2014	National Conference on Recent trends in Mathematics Physics and their Application	---
27	DC glow discharge by using solid liquid interface	K.P. Kadam A.P. Pachkawade	ISBN 978-81-929160-2-6 Year 2013-2014	National Conference on Recent trends in Mathematics Physics and	---

				their Application	
28	Investigation of change in color of the glow discharge of the Elements by Fractional Abundance	K.P.Kadam A.P.Pachkawade	ISSN 2249-3352 Year 2012-2013	International Journal of Basic and Applied Research	**3.14**
29	Studies on Nanocrystalline Chalcogenide thin films deposited by Chemical Bath Technique	S.S. Kawar A.P. Pachkawade	ISSN 2249-3352 Year 2012-2013	International Journal of Basic and Applied Research	**3.14**
30	Intensity distribution across the output of copper vapour Laser discharge	A.P.Pachkawade V.K.Jadhao K.P.Kadam	ISSN 2249-3352 Year 2012-2013	International Journal of Basic and Applied Research	**3.14**
31	Distribution of intensity across output Laser Beam in Copper Vapour Laser discharge	A.P.Pachkawade	ISSN 2249-3352 Year 2012-2013	International Journal of Basic and Applied Research	**3.14**
32	Intensity distribution across the output laser beam in copper vapour laser discharge	A.P.Pachkawade V.K.Jadhao K.P.Kadam S.S. Kawar K.K. Hurde	ISSN 0974-0678 Year 2011-2012	BIONANO Frontier National Journal	----
33	Electrical and Spectroscopic characterization of Lonar lake water and sediment by Dc-Glow discharge in the interface of solid and liquid	K.P.Kadam A.P.Pachkawade	ISSN 0974-0678 Year 2011-2012	BIONANO Frontier National Journal	----
34	Variation of peak power across the laser beam in Copper vapour laser discharge	A.P.Pachkawade	ISSN 0974-0678 Year 2011-2012	BIONANO Frontier National Journal	-----