

Curriculum Vitae



General Information:

Name and Age:

Dr. Munish Shyamnarayan Pandey

(DOB: 15th April 1970)

Designation:

Professor and Head,

Contact

Mobile: 982042170

Email: drmunishpandey@yahoo.com

Information: OFFICE:

Department of Physics

K.M.Agrawal College, Kalyan(w)- 421301

RESIDENCE:

805,Royce Galaxy,Gandhare,Kalyan(w)

Qualification: Ph.D., M.Sc., LLB

Qualification	University	
Ph.D. (Theoretical Physics)	University of Magadh, Bihar-	2003
M.Sc. (Physics-Electronics-I)	University of Mumbai-	1992
B.Sc. (Physics) & E-I	University of Mumbai-	1990

Other Qualifications: Certificate Course in Computer Programming (Maharashtra state technical board)

Title of Ph.D. Thesis:

“A study of metal optics near the plasma frequency”

Teaching Experience

- Project Assistant (1993-94):- Department of Physics, University of Mumbai
- Under Graduate (1994):- K.M. Agrawal College, Kalyan West
- Post Graduate (2005):-K.M. Agrawal College, Kalyan West

Subjects Taught:

- Physics, Electronics, Microprocessor, MicroController, Embedded Technology,DCN

Major Scientific areas of interest

- Crystals
- Conducting polymer, Bio polymer
- Information Technology

Research Experience

Research Area:- Crystals , Polymers, information Technology (15 years)

Experience as a Research Guide:-

➤ **M.Phil. -04 students**

Sr no	NAME	UNIVERSITY	TOPIC	YEAR
1	DiptiKhandare (Physics)	Madurai Kamraj University	Synthesis & Characterization of Ceramic Polymer	A7A6724501 Awarded- 2008
2	Bharit M. Bhangale (Physics)	Madurai Kamraj University	Study of KDP single crystal added with some Organic Compound	A7A6724502 Awarded- 2009
3	Sarla H. Dawara (Physics)	Madurai Kamraj University	A study of ceramic polymer & it's characterization	A7A6723614 Awarded- 2009 .
4	Preeti Sarode (Information Technology)	YashwantraoChavan Maharashtra Open University, Nashik	A study of ...umbai	PRN-2008017000929736 Awarded- 2010 I.T.(Information Technology)

➤ **Ph.D. -04 students**

NO	NAME	UNIVERSITY	TOPIC	
1	Mrs. RichaBadlani 03/04-12-2015	Mumbai University (Physics)	Synthesis and characterization of Biomaterial (enzyme) doped improved conducting polymer material	Awarded-15-6-22
2	Mr. Dinesh Himatsinghani	Mumbai University (Physics) K.M.Agrawal center	Synthesis and studies on nanocomposite of polypyrrole-ceramic composites	Awarded-18-11-24
3	Ms. NamrataAjwani	Mumbai University (Physics)	Synthesis and characterization of ceramic doped copolymer material	Ph.D. student Awarded-18-11-24

➤ **Ph.D. (Ongoing)**

NO	NAME	UNIVERSITY	TOPIC	
1.	Mr Sager Kutte	Mumbai University (Physics)	“Study of electrochemical supercapacitor properties of the metal oxides Fe ₂ O ₃ , Co ₂ O ₃ , NiO and conducting polymers Polyaniline, Polypyrrole and their composite”	Ph.D. student 32/18-03-2024

Research Publications:

- I. **Research papers in journals: 26 (11 - UGC listed, 5 –index, 7-ISSN, 3-proceedings)**
- II. **State conference: 02**
- III. **National conference: 07**
- IV. **International conference: 05**

Journals:

1. **Pandey Munish** ,R.P.Singh, G.C Jha&L.K.Mishra
An Evaluation of K dependence longitudinal & transverse dielectric function in the RPA & HD approximation., ACTA CINCIA INDICA P-353 VOL XXXI P **2005** No-3.
ISSN-0253-732X
2. **Pandey Munish**,R.P.Singh, G.C Jha&L.K.Mishra,
An Evaluation of Surface Real(w) & Y(w) as a function of (w/wp) for metals., ACTA CINCIA INDICA P-459 VOL XXXI P **2005** No-4.ISSN-0253-732X
3. SarlaDawara&**Munish Pandey**,
Synthesis ,Characterisation&D.C.conductivity studies of polypyrrole-tio2 Composites, ACTA CINCIA INDICA P-459 VOL XXXVII P-2,133(**2011**).ISSN-0253-732X
4. PreetiSarode,**Munish Pandey**.,
Development of M- Commerce and Urbanization,proceeding- Impact of Urbanization,ISBN:978-81-8465-862-0,p255-260, **2011**.
5. PreetiSarode,**Munish Pandey**,
Open Source Software For Information Technology Students., Proceeding of State level seminar on Emerging Trends And Opportunities in Information Technology, p 56-59, **2011**.
6. Dr.S.S.Patil,**Munish Pandey**,
Impact of Urbanization on nature/climate, proceeding- Impact of Urbanization,ISBN:978-81-8465-862-0,p109-114, **2011**.
7. S.S.Patil,**MunishPandey**,D.C. Kothari.
Effect of Ion implantation and Ion beam mixing on corrosion resistance of material, RTMR-11,,p43,jan **2011**.ISBN:978-81-8465-862-0
8. DiptiKhandare,**MunishPandey** .
Synthesis and Structural properties of conducting Polypyrrole- Nano ZnO composite, Proceeding of State level seminar on Synthesis and Characterization of Nano Materials ,p16,**2012**
9. **MunishPandey** .
”Synthesis and Surface study of polypyrrole copolymer using polystyrene”, Proceeding of National level seminar on Explore Physics ,p22-25,**2013**
10. **MunishPandey**,RichBadlani,BhagyashreePatil .
”Synthesis and Characterization of Enzyme doped polypyrrole material” ,Proceeding of National level seminar on Explore Physics ,p68-71,**2013**
11. **Munish Pandey**
“Polypyrrole-ZnO composite: XRD and DC conductivity study for doping”, Proceeding of National level seminar on Emerging Trends in Physical Sciences ,p53-58,**2015** ISBN 978-93-5212-614-9
12. **Munish Pandey**, B.M. Bhangale, M.M. Khandpoker,
Effect of Temperature on Dielectric constant and Electrical Conductivity of Pure and Urea Added KDP ,Invertis Journal of Science and Technology, Vol. 9, No. 1, **2016** ; pp. 30-35,ISSN 0973-8940 Online : ISSN 2454-762X,ICV-76.47
13. **Munish Pandey**, PreetiSarode ,

- “A Study Of 3G,4G And 5G Technology Of Wireless Communication System” GOLDEN RESEARCH THOUGHTS, ISSN 2231-5063,22 feb2016 impact factor 3.4052
14. **Munish Pandey**, PreetiSarode ,
“Role of information Technology for Mission Make In india” GOLDEN RESEARCH THOUGHTS ISSN 2231-5063,23jan2017 impact factor 4.6052, UGC LISTED(NO.7836)
 15. **Munish Pandey**, ,
”EMPLOYABILTY AND SKILL DEVELOPMENT FOR PHYSICS STUDENTS FOR JOB PERSPECTIVE” REVIEW OF RESEARCH ISSN:2249-894X,MARCH 2018,UGC JOURNAL NO: 48514
 16. **Munish Pandey**and RichaBadlani,”
SYNTHESIS AND STUDY OF NOVEL PAPAIN -POLYPYRROLE COMPOSITE” International Journal of Recent Scientific Research Vol. 10, Issue, 03(C), pp. 31331-31333, March, 2019 ISSN:0976-3031 Impact Factor 2017: 7.383, ICV-81.25,UGC JOURNAL NO:49336
 17. **Munish Pandey**, RichaBadlani,
INVESTIGATION OF ANTIBACTERIAL ACTIVITY OF PAPAIN DOPED POLYPYRROLE AGAINST GRAM POSITIVE AND GRAM NEGATIVE BACTERIA Invertis Journal of Science & Technology Vol. 12, No. 1, January-March 2019, pp- 20-23 DOI: 10.5958/2454-762X.2019.00004.0,ICV-76.47
 18. **Munish Pandey**, RichaBadlani,
SYNTHESIS AND MORPHOLOGY STUDY OF POLYPYRROLE PAPAIN COMPOSITE—*Recent Trends in Chemical and Physical Sciences* [RTCPs-2019] Proceedings of National Conference, ISBN: 978-93-5346-273-4
 19. **Munish Pandey** ,
Synthesis and characterization of KDP Crystals Mixed with enzyme papain,Invertis Journal of Science & Technology,vol.12,no.3,july-sept-2019,pp-85-9,ICV-76.47
 20. **Munish Pandey**, RichaBadlani, AC Conductivity And Dielectric Study of poly-pyrrole/papain composite, International journal of research-Granthaalaya, vol 7 issue 8 aug 2019,ISSN-2350-0530 ,ICV-86.20
 21. **Pandey, M.**, & Badlani, R., Temperature dependence of conductivity of, urease doped polypyrrole material. *International Journal of Research – GRANTHAALAYAH*, volu-9,issue-6 ,pp85-90,2021 ,ICV-86.20
 22. Dinesh Himatsinghani, Poonam Jaju, Dr. Seema Shinde, Nilesh Koli, **Dr. Munish Pandey**, Sager Kutte, Synthesis and Characterization of Nanocomposite of ZrO₂, TiO₂ and Polypyrrole, shodhsamhita, vol-9, issue-II(I), pp-274-280, **july 2022**, I.F.-4.95 UGC care LISTED
 23. Namarata Ajwani, Dr. Seema Shinde, Dr. Laxman Jathar, Chandresh Bari, Anikesh Mani, **Dr. Munish Pandey**, Sager Kutte, Comparative study of structural properties of pyrrole-aniline copolymer under different temperature and oxidizing agent, shodhsamhita, vol-9, issue-II(I), pp-338-346, **july 2022**, I.F.-4.95 UGC care LISTED
 24. M. PANDEY, MOTT’S VARIABLE RANGE HOPPING MODEL FOR POLYPYRROLE-PAPAIN COMPOSITE POLYMER: INFLUENCE OF PAPAIN ENZYME ON COMPOSITE POLYMER, ROMANIAN J. BIOPHYS., Vol. 34, No. 2, P. 87–97, BUCHAREST, **April 2024**
 25. Alternating Current Conductivity of papain doped polypyrrole composite polymer, munish pandey, current innovation in chemical and material science vol 8 **April 2024** page 46-63, <https://stm.bookpi.org/CICMS-V8/issue/view/1432>
 - 26.

State Conference

Sr no	Date	Title Of The Paper	place	Topic
1.	22/1/11	Open Source software for information and Technology Students	Vikash college ,vikroli	Emerging trends and opportunity in I.T.
2.	11/2/2012	Synthesis and structural properties of conducting polypyrrole/nano-ZrO ₂ composite	Vikash college	Synthesis and characterization of nonmaterial's

National Conference

Sr no	Date	Title Of The Paper	place	Topic
1.	24-25/1/2011	Development of M-commerce and urbanization	KMA	Impact of urbanization
2.	24-25/1/11	Impact of urbanization on nature climate	KMA	Impact of urbanization
3.	23/12/2013	Synthesis and surface study of polypyrrole copolymer using polystyrene	Change khan thakur college	Explore physics
4.	23/12/2013	Synthesis and characterization of Enzyme doped polypyrrole	Change khan thakur college	Explore physics
5.	9-10/10/2015	Study of DC conductivity of Urease Doped Polypyrrole Material	Haldia West Bengal	NSNN-2015
6.	24/1/2015	Polypyrrole–ZrO ₂ composite: XRD and DC conductivity study	N B Mehta college	ETIPS-2015
7.	29/4/2017	SURFACE STUDY OF ENZYME DOPED POLYPYRROLE MATERIAL	Birla College	RTBN-2017
8	23 rd April, 2022	SYNTHESIS AND CHARACTERIZATION OF NANOCOMPOSITE OF ZrO ₂ , TiO ₂ AND POLYPYRROLE	Viva college and Mumbai university	RECENT TRENDS IN RESEARCH
9	23 rd April, 2022	COMPARATIVE STUDY OF STRUCTURAL PROPERTIES OF PYRROLE –ANILINE COPOLYMER UNDER DIFFERENT TEMPERATURE AND OXIDIZING AGENT	Viva college and Mumbai university	RECENT TRENDS IN RESEARCH
10	23th/24th Nov 2023	STUDY OF MORPHOLOGICAL PROPERTIES AND DC CONDUCTIVITY OF	JNRM Govt college, Andaman and nicobar (pondichererry central university) and	UPCOMING TECHNOLOGIES IN BASIC AND

		POLYPYRROLE AND BINARY CERAMIC COMPOSITES	SSTH	APPLIED SCIENCES
--	--	--	------	-------------------------

International Conferences

Sr no	Date	Title Of The Paper	place	Topic
1.	2/2/15	Effect of temperature on dielectric constant and electrical conductivity of pure and urea added KDP	Anna University Chennai	ISSMD-3
2.	23/1/2017	Role of information for mission make in india	KMA	Make in india
3.	3/3/2018	Employability of physics student	KMA	Skill development and social innovations
4.	4/2019	To study the effect and physico-chemical properties of waste water effluent of residential area of dombiwali MIDC region, thane-	J.B. Sawant college ,Alibag, Raighad	International interdisciplinary conference on recent trends in science-2019
5.	nov-2019	Synthesis and characterization of pyrrole/DBS/PEG- papain polymer composite	Sonopant dandeker college, palghar	International-2019
6.	25 th january2020	Importance of Indoor Sports in our Life-Physics point of View-	KMA	International-2020
7.	10-11 feb 2023	"A study of D.C. conductivity of pure polypyrrole and papain doped polypyrrole composite"	Vaze college	International Conference ICRASTHM

Research Project

Sr no	Title	Reference no	University/college
1	Ceramic Polymer Material Synthesis And Characterization	Project No. 91 Ref.No. APD/237/ 129 of 2010 at 14 th Jan 2010	Mumbai University
2	Synthesis & Characterization of co-polymer using polypyrroee as one of polymer material	Project No. 24 Ref.No. APD/237/321/2012 dated 17 nov 2012	Mumbai University
3	Synthesis & Characterization of plant extract doped KDP crystal	Project No. Ref.No.411 APD/237/601/ 2018 dated 17 JAN 2018	Mumbai University
4	Synthesis & Characterization of co-polymer using polypyrroee as one of polymer material	KMA/MRP/T/ 2018 /001	K.M.Agrawal College

Books/chapter Published

Sr.no	Title	ISBN NO	AUTHORS	SEM/DAT E
1.	<i>CLASSICAL PHYSICS(PHYSICS -I)</i>	978-93-5077-027-6	<i>Dr.MunishPandey, satyajit s Kamble</i>	<i>Sem-I(2016-17</i>
2.	<i>Mechanics and Thermodynamics(PHYSICS -I)</i>	987-93-5077-079-5	<i>Namarata R Ajwani, Dr.MunishPandey,Dinesh B Himatsinghani</i>	<i>Sem-III(2017-18)</i>
3.	<i>Vector Calculas,Analog Electronics(PHYSICS -II)</i>	987-93-5077-080-1	<i>J.S.Katre,Namarata R Ajwani, Dr.MunishPandey,Dinesh B Himatsinghani</i>	<i>Sem-III(2017-18)</i>
4.	<i>Applied Physics-I(PHYSICS -III)</i>	987-93-	<i>Namarata R Ajwani, Dr.Munish Pandey, Dinesh B Himatsinghani</i>	<i>Sem-III(2017-</i>

		5077-081-8		18)
5.	<i>Mathematical Physics(PHYSICS -I)</i>	978-93-87523-78-4	<i>Dr.MunishPandey,Dr.GiteshG.Pa dhye</i>	<i>Sem-II(2016-17</i>
6.	<i>Optics and digital Electronics PHYSICS - I)and Quantum Physics(PHYSICS - II)and</i>	978-93-87656-24-6	<i>J.S.Katre, Dr.MunishPandey,Dr.Ravindra H. UpadhyayDr.Mahendra M Khandpeker</i>	<i>Sem-IV(2017-18)</i>
7.	<i>Applied Physics-II(PHYSICS -III)</i>	978-93-87656-24-1	<i>J.S.Katre,HarishG.NarulaDr.Muni sh Pandey, Dr.PushpenderG.Bhatia</i>	<i>Sem-IV(2017-18)</i>
8	Current Innovations in Chemical and Materials Sciences, <i>B P International</i> Vol. 8,chap:3 Alternating Current Conductivity of Papain Doped Polypyrrole Composite Polymer	: 978-81-972223-9-9	Munish Pandey 10.9734/bpi/cicms/v8/7482B https://stm.bookpi.org/CICMS-V8/issue/view/1432	Vol. 8,chap:3 Pp :46-63
9	current innovation in chemical and material science		https://stm.bookpi.org/CICMS-V8/issue/view/1432	vol 8 April 2024

Academic and Administrative Positions:

Recognized Teacher of the Universities

- 1) M.Sc, Degree in Physics by Papers, Mumbai University, MUMBAI.
- 2) M.Sc, Degree in Physics by Research, Mumbai University, MUMBAI.
- 3) M.Phil, Degree in Physics, Madurai University, Madurai. MUMBAI.
- 4) M.Phil, Degree in information technology YCMOU,NASHIK.

5) Ph.D. degree in physics from,JJT University, Rajasthani Seva Sangh ,RAJASTHAN.

6) Ph.D. degree in physics from, Mumbai University, MUMBAI.

7) MPPSC Indore

College positions Held

- Ex-Vice Principal (Science)
- Ex-Local Management Committee Member (LMC)
- Ex-Coordinator I.T. /C.S. department
- Ex-Staff Secretary
- Examination Committee member and Chairman
- Sports Committee Member
- Science association Committee Member
- Organizer FALCON (inter college event for professional std)
- Discipline Committee Member
- Subject Expert for appointing staff and V.C. nominee
- CDC member

University Positions:

- **Ph.D. guide-**
 - i. University Mumbai
 - ii. J.J.T. University of Rajasthan
- **M.Phil. Guide,** i. Madurai Kamraj University for Physics
ii.YCMOU University for Information Technology
- **Member BOS Physics-2010-15** (University of Mumbai)
Member BOE Physics-2010-15 (University of Mumbai)
- **Member of Syllabus Framing Committee** (University of Mumbai)
- **Paper Setter/Moderator/Examiner** (college and university)
- **Member LIC** (University of Mumbai)
- **Subject Expert in Selection Committee.** (college and university)
- **Member in Research LAB Recognition Committee.** (University of Mumbai)
- **Joint chief conductor(examination) SICES college** (University of Mumbai)

Awards/Recognitions Received:-

1. Bharat Shiksha Ratan

Award by Global society for Health and Education Growth,Delhi-FEB, 2016

Orientation/Refresher Course Completed:-

SRN	Orientation/ Refresher	Organising Body	Date (From- To)	Theme of the Course/Grade

1	Orientation	UGC academic staff college Mumbai university	17/1/2005- 15/2/2005	B
2	Refresher	UGC academic staff college Mumbai university	18/10- 8/11/2007	A
3	Refresher	UGC academic staff college GOA university	30/3- 19/04/2009	A
4	Refresher	UGC academic staff college GAUHATI university	20/2- 11/3/2012	A
5	Short Term Course	UGC-HRD center-Punjab University,chandigarh	22/9/- 28/9/2015	-

CHAMPIONSHIP ORGANISED IN SPORTS:

MAHARASTRA STATE ARCHERY CHAMPIONSHIP	SACRED HEART SCHOOL KALYAN	CHAMPIONSHIP	26-27/12/2009	MAHARASTRA STATE ARCHERY CHAMPIONSHIP
TAEKWONDO CHAMPIONSHIP	K.M.AGRAWAL COLLEGE	CHAMPIONSHIP	15/01/2011	TAEKWONDO CHAMPIONSHIP

Trekking attended:

Exploration	DANGS, Gujarat tourism	Trekking	26-29/10/2006	exploration
-------------	---------------------------	----------	---------------	-------------

Invited speaker:

Place	DATE	TOPIC
HALDIA INSTITUTE OF TECHNOLOGY-2015	National seminar	Polypyrrole-inorganic composite

Invited Lectures and Chairmanships at national or international conference/seminar etc.

Sr. No.	Title of Lecture / Academic Session	Title of Conference / Seminar etc	Date of Event	Organized by
------------	--	--------------------------------------	---------------	--------------

1.	Session coordinator	Deadliest Viruses on Earth and Its Impact on Living Beings	16/6/2020	KMA college
2.	CHAired TECHNICAL SESSION	RECENT TRENDS IN CHEMICAL AND PHYSICAL SCIENCES	11/1/2019	THAKUR COLLEGE
3.	CHAired TECHNICAL SESSION	RECENT ADVANTAGES IN CHEMICAL AND BIOLOGICAL SCIENCES	27/FEB 2016	KMA COLLEGE
4	CHAired TECHNICAL SESSION	National seminar	2015	HALDIA INSTITUTE OF TECHNOLOGY,WB

Developmental seminar/workshops				
Sr	topic	Place	Conference/workshop seminar	date
1	Low cost instrumentation	K.V.pendharker	workshop	8-10/7/1998
2	Role of information technology in physics curriculum	Dyanasadhana college	WORKSHOP	29-30/1/2001
3	Contribution of teacher in the corporate life	VV bhavanmumbai	WORKSHOP	3-4/1/2003
4	Physics education basic research and new technology	BARC	seminar	6-8/11/2003
5	Superconductivity and low temperature techniques	Gurunanak college	seminar	21/2/2004
6	21 st century teacher	Ram Krishna ,math	workshop	20/8/2005
7	Implementation of reservation policy in education	Dyanasadhana college	seminar	25/8/2006
8	Emerging Alternative vision of Knowledge revolution	Pherojshaha Mehta bhavan kalina	seminar	14/8/2007
9	Optical spectroscopy	WRIC,mumbai	workshop	5-9/1/2009
10	Implementation of revised syllabus of physics	Bandodker college	workshop	7/8/2010
11	cosmology		workshop	25-26/10/2010
12	MP& MC for teacher	Somaiya College	workshop	6/12/2010
13	EMBADED SYSTEM	KHALSA COLLEGE	WORKSHOP	28-29/11/11
14	EXPLORING BASIC PHYSICS	RD NATIONAL	SEMINAR	28/1/2012

15	Modern....polymer S&T	ICT MATUNGA	WORKSHOP	3-4/4/2013
16	IPR&CYBER LAW	Vivakanand COLLEGE	WORKSHOP	30/01/2014
17	Role of Best practice...HEInstitution	CKT college IQAC	SEMINAR(NATIONAL	24-25 /04 /2015
18	Green chemistry	National college	WORKSHOP	6/12/15

Academic workshops:

Sr.No.	topic	place	Conference/workshop seminar	date
1	Revised syllabus of FYBSC	B.N. Bandodker college	WORKSHOP	27/2/2002
2	Revised syllabus of SYBSC	Dyanasadhana college	WORKSHOP	1/2/2003
3	Revised syllabus of f.y.b.sc	D.G.Ruparel,mumbai	/workshop	26/july2008
4	Revised syllabus of S.y.b.sc	R.JHUNJHUNWALA COLLEGE	WORKSHOP	11/7/2009
5	Revised syllabus of T.y.b.sc(PRACT)	B.N.BANDODKAR	WORKSHOP	7/8/2010
6	Revised syllabus of T.y.b.sc(THEO)	V.G.VAZE	WORKSHOP	31/7/2010
7	MICRO PROCESSOR&CONTROLER	SOMAIYA	WORKSHOP	6/12/10
8	CREDIT BASEED GRADING SYSTEM FYBSC	V.G.VAZE	WORKSHOP	20/6/2011
9	EMBADED SYSTEM	KHALSA COLLEGE	WORKSHOP	28-29/11/11
10	CBSC FOR SYBSC	RD NATIONAL	SEMINAR	23/6/2012
11	Revised Syllabus TYBSC	V.G.VAZE	WORKSHOP	22/2/2013
12	Revised syllabus of FYBSC	Vaze college	WORKSHOP	9/04/2015

13	Revised syllabus of FYBSC	DG Ruparal college	WORKSHOP	5/7/2016
14	Revised syllabus of SYBSC	DG Ruparal college	WORKSHOP	10/6/2016
15	Revised syllabus of TYBSC	R Jhunjhunwala college	WORKSHOP	19/6/2017
16	Revised syllabus of SYBSC	Jai hind college	WORKSHOP	7/7/2017
17	Revised syllabus of FYBSC	Gurunanak college	WORKSHOP	10/10/2017
18	Revised syllabus of SYBSC	SIWS college	WORKSHOP	21/6/2017