









CURRICULUM VITAE

- 1 Name (in Block Letters) : **DR. LONDHE CHANDRAKANT TRIMBAKRAO**
- 2 Department : **Physics**
- 3 Address (With Pin code) : **B-2968, Gitai Nagar, Talegoan Road, Ahmedpur - 413515**
- 4 Mobile No : **+919850136648**
- 5 E-mail : **londhect@gmail.com**


Academic Qualifications (from S.S.C. till Post-Graduation):

Examinations	Name of the Board / University	Year of Passing	Percentage of Marks Obtained	Division / Class / Grade	Subject	PDF File
High School / S.S.C.	Aurangabad	June 1993	56.00	II nd	General	 Adobe Acrobat Document
Intermediate / H.S.C.	Aurangabad	June 1995	56.00	II nd	General	 Adobe Acrobat Document
U.G.	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	A/M 1998	60.91.	I st	Physics, Chemistry, Electronics	 Adobe Acrobat Document
P.G.	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	M/A 2001	66.00	I st	Physics	 Adobe Acrobat Document
B. Ed.	Noth Maharashtra University, Jalgoan	A/M 2003	73.00	I st	Math, Sci.	 Adobe Acrobat Document

Research Degree(s):

Degrees	Title	Date of Award	Name of University	PDF File
Ph.D.	Studies in diatomic molecular spectra	23 Feb. 2007	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	 Adobe Acrobat Document



Experience:





Designation	Name of Institution / University	Date of Joining	Date of Leaving	PDF File
Assistant Professor	Mahatma Gandhi Mahavidyalaya, Ahmedpur	21 March 2011	-	 Adobe Acrobat Document

Period of teaching experience :**P.G. Classes (In Years): 0 Years****U.G. Classes (In Years): 12 Years**

Fields of Specialization: Experimental and Theoretical Spectroscopy of Diatomic Molecules, Material Science, Thin Films







Human Resource Development Center Orientation / Refresher Course / FDP/ MOOC / One-Two week courses attended so far:

Sr. No.	Name of the Course/ Summer School	Place	Duration	Sponsoring Agency	PDF File
1	XLVIII th Refresher Course in Experimental Physics	Department of Physics Vidya Pratishthan's Art's, Science and Commerce college, Baramati	14/05/2013 to 29/05/2013	Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi, The National Academy of Sciences, Allahabad	 Adobe Acrobat Document
2	92 Orientation Course	Human Resource Development Center University of	11/06/2015 to 08/07/2015	UGC	 Adobe Acrobat Document









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3	Refresher Course in Computational Methods in Basic Science	UGC-HRDC, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	06/08/2018 to 29/08/2018	UGC	 Adobe Acrobat Document
4	Faculty Development Programme on Managing online Classes and Co-Creating MOOCS:2.0	Teaching Learning Centre, Ramanujan College, University of Delhi	18/05/2020 to 03/06/2020	Ministry of Human Resource Development, Pandit Madan Mohan Malaviya, National Mission on Teachers and Teaching	 Adobe Acrobat Document
5	Short-Term Course on Advanced Research Methodology Using SPSS & MS Excel	UGC- Human Resources Development Centre, Doctor Harisingh Gour Vishwavidyalaya, (A Central University) Sagar	04/10/2021 to 09/10/2021	UGC	 Adobe Acrobat Document
6	Short-Term Course on Spectroscopy and its applications in modern Science	UGC- Human Resources Development Centre, Doctor Harisingh Gour Vishwavidyalaya, (A Central University) Sagar	18/02/2022 to 24/02/2022	UGC	 Adobe Acrobat Document


RESEARCH AND ACADEMIC CONTRIBUTIONS PUBLICATIONS:

(1) Research Papers in Journals:

Sr. No	Title of Paper	Journal Name, Page nos., Vol. no., Issue no., Year of publication	ISSN/ ISBN	impact factor, if any	PDF File
1	A determination of rotational temperature of AlO from the $B^2\Sigma^+ - X^2\Sigma^+$ system.	Pramana 66,3, 597-600 (2006)	ISSN 0304-4289	0.575	 Adobe Acrobat Document
2	The Fourier Transform Spectrum of $B^2\Sigma^+ - X^2\Sigma^+$ system of AlO.	Journal of Molecular Spectroscopy 243, 1 (2008)	ISSN 0022-2852	1.636	 Adobe Acrobat Document
3	Franck–Condon factors and r-centroids of B–X, C–X and C–A band systems of AlO molecule	Journal of Molecular Spectroscopy 263, 178-182 (2010)	ISSN 0022-2852	1.497	 Adobe Acrobat Document
4	Comparison of potential curves for the ground states of few diatomic hydride molecules with reduced potential energy curves.	Asian Journal of Spectroscopy, Special issue, 167-177, (2010)	ISSN 0971-9237	0.535	 Adobe Acrobat Document
5	Estimation of Rotational Temperature of InCl molecule from Fourier Transform Spectrum of the 0-0 band of $A^3\Pi_0 - X^1\Sigma^+$ band system	Asian Journal of Spectroscopy, Special issue, 81-85, (2010)	ISSN 0971-9237	0.535	 Adobe Acrobat Document
6	Comparison of RKR and Hulbert – Hirschfelder, extend Rydberg potential energy curves of the ground states of diatomic aluminium	International Journal of Emerging Technologies in Computational and Applied Sciences 3(1), Dec.12-Feb., 2013, pp. 1-4	ISSN 2279-0055	1.231	 Adobe Acrobat Document


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7	Optical properties of CdS Thin Films	Journal of Advances in Applied Sciences and Technology Vol. 1, Issue 2 pp. 145-146 Dec. 2014	ISSN 2393-8188	UGC approved	 Adobe Acrobat Document
8	Optical Characterizations of CdZnS Thin Films by Spray Pyrolysis	International Journal of Computer & Mathematical Sciences Vol. 5, Issue 3, pp.14-15 March 2016	ISSN 2374-8527	UGC approved	 Adobe Acrobat Document
9	Morphological studies on Europium Selenide Thin Films	International Journal of Mechanical Engineering and Robotics Research Vol. 5 No. 3, pp 172-175, July 2016	ISSN 2278-0149	SCOPUS indexed	 Adobe Acrobat Document
10	Determination of Rotational Temperature of GaCl from $B^3\Pi_i - X^1\Sigma^+$ System	International Journal of Researchers in Biosciences, Agriculture and Technology Vol. 4(1) Jan 2016, 119-121	ISSN 2347-517X	Peer Reviewed	 Adobe Acrobat Document
11	Morphological studies on Spray deposited Lanthanum Sulphide thin films	Key Engineering Materials Vol. 705, pp283-288, Aug. 2016	ISSN 1662-9795	SCOPUS indexed	 Adobe Acrobat Document
12	Measurement of Rotational Temperature of AlO Molecule from Fourier Transform Spectrum of the 0-0 Band of $B^2\Sigma^+ - X^2\Sigma^+$ Band System	The European Physical Journal D Eur. Phys. J. D (2018) 72: 146	ISSN 1434-6079	1.331	 Adobe Acrobat Document
13	Fabrication and I-V Characteristics Study of Heterojunction Diode Composed of Lanthanum Selenide and Cadmium Sulphide	International Journal of Advance & Innovative Research Vol. 6 Issue 1 Jan-March 2019	ISSN 2394-7780	UGC approved	 Adobe Acrobat Document

14	A Comparative Study of Potential Energy Curves of Osmium Nitride Molecule	Iranian Journal of Science and Technology, Transactions A: Science Vol. 43, Issue 3, pp.1361-1363 June 2019	ISSN 2364-1819	0.692	 Adobe Acrobat Document
15	Morphological Studies on of Chemically Deposited EuX Thin Films	Integrated Ferroelectrics Vol. 205, issue1, pp. 95-100, February 2020	ISSN 1607-8489	SCOPUS indexed 0.836	 Adobe Acrobat Document
16	Microwave Dielectric Relaxation in Binary Mixtures of 1, 3-Diaminopropane in Dimethylaminoethanol	Integrated Ferroelectrics Vol. 205, issue1, pp. 164-176, February 2020	ISSN 1607-8489	SCOPUS indexed 0.836	 Adobe Acrobat Document
17	Microwave Dielectric characterization of Ayurvedic Medicine using Time Domain Reflectometry Technique	Journal of Physics: Conference Series 1644 0120292020	ISSN 1742-6596	SCOPUS indexed 0.55	 Adobe Acrobat Document
18	Rotational Temperature of AIO Molecule from Fourier Transform Spectrum of the 0-1 band of $B2\Sigma^+-X2\Sigma^+$ System	Journal of Physics: Conference Series 1644 012063 2020	ISSN 1742-6596	SCOPUS indexed 0.55	 Adobe Acrobat Document
19	Franck-Condon factors and r-centroids of D-A and D-B band systems of AIO molecule	Revista Mexicana de Física Vol. 66, issue5, pp. 568-572, September 2020	ISSN 0035001 X	SCOPUS indexed 1.297	 Adobe Acrobat Document
20	Estimation of Rotational Temperature of the 1-1 Band of $B2\Sigma^+-X2\Sigma^+$ System of AIO Molecule	International Journal of Scientific Research in Science, Engineering and Technology Vol. 9, issue 5, pp128-131, July-August 2021	ISSN 2394-4099	Peer Reviewed	 Adobe Acrobat Document
21	A Comparative Study of Potential Energy Curves of Carbon Monoxide molecule	Journal of Advances in Applied Sciences and Technology Vol.8, issue 1, pp 62-65, Feb. 2022	ISSN 2393-8196	Peer Reviewed	 Adobe Acrobat Document

22	High Frequency Dielectric Response of Glycerol – NN Dimethyl Formamide Binary Mixture at 288,298,308 & 318 K using Time-Domain Reflectometry	International Journal of Innovative Research in Science, Engineering and Technology	ISSN 2347-6710	Peer Reviewed	 Adobe Acrobat Document

(2) Books, Chapters in Books:

Sr. No.	Title of Book with no. of pages	Publishers name with ISSN / ISBN NO.	International / National Publisher	No. of Co-Authors	Whether Principal Author / Co-Author/ Editor/ Co-editor
1	Contribution of Women in the various fields Pages 204	Shubhi Publication, Kanpur ISBN 978-93-91644-24-6	National	0	Principal Author

Sr. No	Name of Authors	Title of Chapter/ Papers	Name of Book with Page no	ISSN/ ISBN	Name of the Publisher	PDF File
1	C. T. Londhe	The Woman Scientists Who Changed the Face of Physics	Contribution of Women in the various fields pp- 146-151 March - 2022	ISBN 978-93-91644-24-6	Shubhi Publication, Kanpur	 Adobe Acrobat Document

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


(a) Video Lectures

Sr. No.	Topic	Web-link	Date of publication/ Upload
1	Raman Effect	https://youtu.be/K1C1XvO0ioE	26 May 2020
2	Laser	https://youtu.be/NXX0nxIJC18	26 May 2020


(4) Research guidance: (M. Phil. / Ph.D. / P.G dissertation):

Sr. No.	Degree	Name of the Candidate	Title of Thesis / Dissertation	Year of Award
1.	Ph.D.	Mr. Phulmante Abhilash Jaipal	Allocation on 12/12/2022	-
2.	Ph.D.	Mr. Gore Digvijay Dilip	Allocation on 12/12/2022	
3.	Ph.D.	Mr. Chavan Digambar Kamlaji	Allocation on 12/12/2022	-
4.	Ph.D.	Mr. Shrirame Balaji Govindrao	Allocation on 09/05/2023	

(5) Research Projects Completed:


Sr. No.	Title of Project	Sponsoring Agency	Ongoing / Completed (Date of Completion)	Whether Co-PI	Grant Received (Rs.)	PDF File
1	Optical and electrical properties of CdZnS thin films prepared by Spray pyrolysis	UGC	Completed 13 July 2017	No	1,17,500/-	 Adobe Acrobat Document

(6) Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference Proceedings :





Sr. No	Title of Presentation in Academic Session	Title of Conference / Seminar	Mode of Presentation: Invited lectures / Resource Person / Paper presentation	Name of Organizer	International / National / State / University Level	PDF File
1	Potential Energy Curves of Ground State of CN Molecule	National Conference on Recent Trends and Advances in Chemical Science 12 th and 13 th Jan.2016	Paper presentation	Department of Chemistry, B. Raghunath College, Parbhani	National	 Adobe Acrobat Document

2	A comparative study of potential energy curves of AlO molecule	National Conference on Innovation in Nanomaterials and Nanotechnology 21 Jan. 2017	Paper presentation	Department of Physics, Rajarshi Shahu Arts, commerce and Science College, Pathri, Dist- Aurangabad	National	 Adobe Acrobat Document
3	Temperature Dependent dielectric study of Ethylene Glycol, N-Methyl formamide binary mixture at high frequency	International Conference on applied Science 26 -27 Dec. 2017	Paper presentation	Shri Kumarswami Mahavidyalaya, Ausa	International	 Adobe Acrobat Document
4	Potential Energy curves of OsN Molecule	International Conference on applied Science 26 -27 Dec. 2017	Paper presentation	Shri Kumarswami Mahavidyalaya, Ausa	International	 Adobe Acrobat Document
5	Morphological Studies on of Chemically Deposited EuX Thin Films	International Conference on Nano-Structured Materials & Devices 17-20 Dec. 2018	Paper presentation	Organized jointly by University of Delhi and Society for Technologically Advanced Materials of India	International	 Adobe Acrobat Document
6	Dissociation energy of ground state of diatomic IrN molecule using correlation coefficients method	107 th Indian Science Congress, held at Bangaluru (Jan. 3 to 8) 2020	Paper presentation	UGC, ISCA Kolkatta	National	 Adobe Acrobat Document
7	A RKR and Hulbert-Hirschfelder potential energy curves for ground state of RuN molecule	108 th Indian Science Congress, held at Bangaluru (Jan. 3 to 8) 2023	Paper presentation	UGC, ISCA Kolkatta	National	 Adobe Acrobat Document





(7) Membership of Professional bodies / Associations :

Sr. No.	Details of Membership of Professional bodies / Associations	PDF File
1	Life Member of Indian Science Congress Association Membership number-L18663	 Adobe Acrobat Document

(8) Additional charge (NCC / NSS / Cultural / Exam / etc.):

Sr. No.	Details of Examination Duties	PDF File
1.	Work as an Assistant Chief Superintendent at Mahatma Gandhi Mahavidyalaya, Ahmedpur (Centre No. 311) from Summer 2016 to Summer 2023.	 Adobe Acrobat Document
2	Member of Paper setting in the subject Physics at Swami Ramanand Teerth Marathwada University, Nanded (From Winter 2016 to Winter 2022)	 Adobe Acrobat Document
3	Member of Practical examination committee at various college affiliated to Swami Ramanand Teerth Marathwada University, Nanded (From Winter 2016 to Winter 2022)	 Adobe Acrobat Document
4	Work as an examiner for summer and winter examination conducted by Swami Ramanand Teerth Marathwada University, Nanded. (From Winter 2016 to Winter 2022)	 Adobe Acrobat Document

(12) Any other relevant information / Additional information:

Sr. No.	Details of relevant information	PDF File
1.	One day workshop organized as Organizing Secretary on “ New Syllabus of B. Sc. Third Year Physics, Semester Pattern ” on 24 th September 2021.	 Adobe Acrobat Document
2.	Recognition as a Research supervisor in Physics under faculty of Science and Technology , Swami Ramanand Teerth Marathwada University, Nanded.	 Adobe Acrobat Document
3.	Recognition as a Post Graduate Teacher in Physics under faculty of Science and Technology , Swami Ramanand Teerth Marathwada University, Nanded.(15/10/2019).	 Adobe Acrobat Document
4.	Member, Board of Studies in Physics under faculty of Science and Technology , Swami Ramanand Teerth Marathwada University, Nanded.(07/02/2023).	 Adobe Acrobat Document