

Curriculum Vitae

Name: - **Dr. DAYANAND VISHWANATH
RAJE**

Personal Details:

Designation	<i>Assistant Professor in Physics</i>
Qualification(s)	<i>M. Sc.,B.Ed., M. Phil., Ph. D.</i>
Email-Id	drdayanandraje2013@gmail.com
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Educational Details:

Sr. No.	Name of Course (UG/PG/Other)	Name of Institute/University	Year
1	<i>B.Sc.</i>	<i>Marathwada University, Aurangabad</i>	<i>1991</i>
2	<i>M.Sc.</i>	<i>Dr. Babasaheb Ambedkar Marathwada University. Aurangabad</i>	<i>1993</i>
3	<i>B.Ed.</i>	<i>Dr. Babasaheb Ambedkar Marathwada University. Aurangabad</i>	<i>1993</i>
3	<i>M.Phil.</i>	<i>Global Open University, Nagaland</i>	<i>2009</i>
4	<i>Ph.D.</i>	<i>Swami Ramanand Teerth Marathwada University, Nanded</i>	<i>2013</i>

Member Of College Committees

Sr. No.	Name of Committee	Role
1	<i>Stock verification Committee</i>	<i>Member</i>
2	<i>Science Association Committee</i>	<i>Member</i>
3	<i>Science Co-ordination Committee</i>	<i>Coordinator, B. Sc. II</i>
4	<i>Discipline Committee</i>	<i>Member</i>
5	<i>Cultural Association</i>	<i>Member</i>
6	<i>Brand ambassadors of energy conservation</i>	<i>Coordinator</i>
7	<i>Physics Students' Association</i>	<i>Director & Coordinator</i>

Member of Professional Committees and other organizations:

Sr. No.	Name of Committee	Role
1	“Indian Society for Radiation Physics”	Life member
2	“Akhil Bharatiya Satyashodhak Samaj”	Life member

Research Publications:

I) NATIONAL/ INTERNATIONAL JOURNALS:

1. Mass Attenuation Coefficients of Soil Samples in Maharashtra State (India) by Using Gamma Energy at 0.662 MeV **D.V. Raje**, L.M. Chaudhari, *Bulg. J. Phys.*, Vol.37, 158– 164,(2010),Online version ISSN 1314-2666, Print version ISSN1330-015.
2. Study of photon attenuation coefficient of soil samples from Maharashtra and Karnataka states (India) from 122 keV to 1330 keV Chaudhari Laxman M.and **Raje Dayanand V.**, *Research Journal of Chemical Sciences*. Vol.2 (2), 1-7, Feb. (2012),Online version ISSN2231-606X,Print version ISSN2249-9261
3. Mass Attenuation Coefficient Measurements in Soil Sample -- ChaudhariLaxman M. and **RajeDayanandV.**,*Research Journal of Chemical Sciences*. Vol. 2(5), 1-7, May 21, (2012),Online version ISSN2231-606X,Print version ISSN2249-9261
4. Attenuation coefficient of soil samples by gamma ray energy-- ChaudhariLaxman M. and **Raje Dayanand V.**,*Research Journal of Recent Sciences, ISCA-RJCS-2012*, Vol. 1(9), 41,48, Sept2012. Print version ISSN2277-2502.
5. Investigation of Attenuation coefficients of soil samples Chaudhari L. M. and **Raje D. V.**, *Research journal of Agriculture & Forestry Sciences*, vol1 (2), 20, 25, March 2013, Print version ISSN2320-6063.
6. Measurement of photon attenuation coefficient of soil samples at energy 360 keV--- Chaudhari L. M **and Raje D. V.** ,*Journal of Chemical, Biological and Physical Sciences* AnInternational Peer Review E-3 Journal of Sciences February 2013- April 2013, Vol. 3, No. 2, 1504-1510 E- ISSN: 2249 –192
7. Implementation of Third Order Active-R Low Pass Filter---**Dr.D.V.Raje**, *Hi- Tech*

Research Analysis, ISSN 2231-6671, Vol.II, Issue -VI,(Aug.2013 to Jan 2014), Refereed& Peer Reviewed Research Journal Page No.20-23.

8. Ecological Risk Assessment of Dam Construction based on Ecological Network analysis-- **Dr.D.V.Raje**, *Indo Western Researchers, ISSN 2349-1027, Vol II, Issue III (Aug 2014 to Jan 2015), Refereed& Peer Reviewed Research Journal Page No.19-23.*
9. Many –Body Interaction of Cyanamide Oligomers Using: Quantum chemical method, **Dr. D. V. Raje**, *Universal Resarch analysis, ISSN2229-4406, Vol-V, Issue XI (Sept 2015-Feb2016), International Refereed & Peer Reviewed Research Journal P.No.29-42.*
10. Light Curve of the RS CanumVenaticorumSystem \square Gem=HD 62044 --- **Dr.D.V.Raje**,*Indo Western Researchers, ISSN 2349-1027, Vol II, Issue VI,(Feb.16to July 16), Refereed& Peer Reviewed Research Journal P.No.29-34.*
11. A Correlative Study of Climate Changes and Solar Activity---**Dr.D.V.Raje**, *Universal Research Analysis, ISSN 2229-4406, Vol.VI, Issue XII, (March 16 to Aug.16), Refereed& Peer Reviewed Research Journal P.No.42-47.*
12. A short period photometric Variations in DH Leonis/HD86590--- **Dr.D.V.Raje**, *Hi-Tech Research Analysis, ISSN -2231-6671, Vol. II, Issue- XII,(Aug.16 to Jan 17), Refereed & Peer Reviewed Research Journal P.No.36-41*
13. Embedded controllers for automation---**Dr.D.V.Raje**, *Universal Research Analysis, ISSN 2229-4406, Vol-IV, Issue XIV, (March 17 to Aug.17) Refereed & Peer Reviewed Research Journal P.No.19-23.*
14. Chemical spray pyrolysis equipment and its parameters--- **Dr.D.V.Raje**, *Hi-Tech Research Analysis, ISSN -2231-6671,Vol VII, Issue XIV,(Aug.17 to Jan18), Refereed & Peer Reviewed Research Journal P.No.19-23.*
15. Pollens and Allergens- A Threat to Humanity --- **Dr. D. V. Raje**, *P.No.39-50 Hi-Tech Research Journal, Issue: XVI, Vol II ISSN 2231-6671 Impact Factor 4.95 (JAN.2019)*
16. Study of Non-Destructive Testing Gamma Rays Interaction with Matter --- **Dr.D.V.Raje**, *Universal Research Analysis,P.No.23-32, Issue: XVII, Vol V ISSN 2229-4406 Impact Factor 5.35(FEB2019)*
17. Charge-Coupled Devices in Astronomy Research --- **Dr. D. V. Raje**, *P.No.43-47 Vision*

Research Review, Issue: XVI, Vol. I ISSN 2250-169X Impact Factor 5.67 (May 2019)

18. *Solar Mobile Charger Using Solar Panel* **Dr. D. V. Raje**, P.No.54-57, Vision research Journal for pure Sciences: Issue XIII, Vol. I, ISSN 2348-7976, Impact Factor 56.30 (Dec. 2019)
19. *Study of Dielectric Behavior of Solids and Soils*---**Dr.D.V.Raje**, P.No.34-39, Interlink Research Analysis, Issue: XX, Vol. V, ISSN 0976-0377, Impact Factor 6.20 (Dec.2019).
20. Acoustical and Thermo dynamical Study of Binary mixture of NN- Dymethyl acetamide and Benzo-nitrile at Different Temperatures **Dr. D. V. Raje**, P.No.29-34, Hi-tech. Research Analysis, Issue: XIX, Vol. III, ISSN 2231-6671, Impact Factor 6.05 (Jan.2020).
21. *Mass Attenuation Coefficient of Ethanol Soluble Organic Compound for Gamma ray Energy 0.84 MeV* Dr.D.V.Raje, P.No.44-48, *Vision Research Review, Issue: XVIII,, Vol. II, ISSN 2250-169X, Impact Factor 6.014* (May.2020)
22. *"Jaitapur Nuclear Power Project Issues and Concerns"*----- *Dr. D. V. Raje*, P.N.27-42, Interlink Research Analysis (ISSN 0976-0377), Issue: XXI, Vol. X, **Impact Factor 6.20** (July 2020 to Dec 2020).
23. *"How to Teach Physics Subject Using ICT"* **Dr. Dayanand V.Raje**, P.No. 17-24, Vision Research Review, Issue XXI, Vol- VI, June 21 to Nov. 21), ISSN 2250-160X.
24. *"Recent Techniques in Removing Phosphorous from Waste water"* **Dr. Dayanand V.Raje**, P.No.18-22, Interlink Research Analysis, Issue XXV, Vol. III, Jan22-June 22, **Impact Factor 6.20**, ISSN 0976-0377.
25. *"Optoelectronic applications for organic Borazine materials using density functional theory"* ----- **Dr. Dayanand V. Raje**, P.No.21-30, Universal Research Analysis, , Vol.VI, Sept-22 to Feb 2023, **Impact Factor : 6.10**, ISSN 2229-4406.
26. *"Role of Laser in Optical Storage Devices"*----- **Dr. Dayanand V. Raje**, P.No.15-18, Vision Research Review, Issue: XXIII, Vol.II, Jan 2022 to Nov. 2022, **Impact Factor: 6.20**, ISSN 2250-169X.
27. *"Impacts of Various Factors on Higher Education"*----- **Dr. Dayanand V.Raje**, P.No. 21-25, Interlink Research Analysis, Issue: XXVI, Vol.III, July 2022 to Dec. 2022, **Impact Factor:**

6.20, ISSN 0976-0377.

II) NATIONAL/INTERNATIONAL CONFERENCES:

1. 'Gamma absorption coefficient of salts at various gamma energies' Published ABSTRACTS, 9th Conference of International Academy of Physical Sciences, CONIAPS-IX, 3-5 Feb.2007, Organized by Dept. of Mathematics, Institute of basic Science Khandari, Agra University, Agra. L.M.Chaudhari and **D.V. Raje**
2. Research paper entitled 'Gamma absorption coefficients of polymers at 1.17 MeV' L.M.Chaudhari, **D.V. Raje**, Presented in Indian Science Congress 2008, held at Andhra University, Vishakhapatnam on 3-7, 2008.
3. 'Photon attenuation coefficients of gamma radiation by soil samples in Nanded District at 0.662, 1.17 & 1.28 MeV' *Published in proceeding of International conference Organised by International Academy of Physical Sciences & Guru Ghashidas University, Bilaspur on Jan. 12-14, 2008. L.M.Chaudhari and D.V. Raje.*
4. 'Photon attenuation coefficients for Maharashtra and Karnataka soil by gamma radiations' L.M.Chaudhari and **D.V.Raje** Presented in the poster session of 96th Indian Science Congress 2009 at Shillong, Meghalaya which will be held on 3-7th January 2009 and abstract published in the proceedings of ISC 2009.
5. 'Gamma absorption coefficients of leaves of Ashoka plant by using source Cs' L.M.Chaudhari, **D.V.Raje** and S.B. Girase Presented in the poster session of 97th Indian Science Congress 2010 held on 3-7Jan. 2010 at Thiruantpuram, Abstract published in the proceeding of ISCA 2010.
6. 'Photon attenuation coefficient of soil sample at various gamma ray energies' --- L.M.Chaudhari, **D.V.Raje** *Published Full length Paper in the Proceedings of National Seminar on Physics of Materials and Photonic Devices(NSPMPD), 16, 17 March 2012, ISBN No.978-81-920783-2-8.*
7. 'Attenuation Coefficients of gamma particles by various Soil samples from Latur and Omarabad district of Maharashtra State'--**D.V.Raje**, L.M.Chaudhari, *Published Full length Paper in the Proceedings of National Conference on Material Science and Renewable Energy Sources (NCMSRES16), 11th and 12th March, 2016, ISBN: 978-93-84810-17-7.*

8. 'Structural and optical properties of spray deposited Fe doped CdS thin films" Bhagyashri Patil, Priya Mane, Humera Junedi, **D.V.Raje**, e-proceeding-ICRAPCS:2020 (International Conference on Recent Advances in Physical and Chemical Sciences , 22 Jan 2020), ISBN- 978-93-5396-893-9 .
9. 'Impact of ICT on research Activities in Present Era' ---- Dr. D. V. Raje, published in Proceedings of Online Conference on ICT Based Teaching by Universal Research Analysis(March 2020 to Aug.2020),P.No.1-4, Issue: XX, Vol. XXVI, ISSN 2229-4406.

III) Books Published with ISSN / ISBN number:

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	Link for Online Book
1	Effects of Gamma Irradiation on Soil Samples, Pages 286	Advent Academic Publishing Online Book Store, ISBN: 9789395369329	International	Nil	Principal	
2						

IV) Awards:

Sr. No .	Name of Award / Fellowship	Date of Received	Name of Awardees Academic Body / Association
1	Rajarshi shahu Maharaj International Honour Award-2019	3 Feb.2019	JAN YANADHYAN
2	Bharat Ratna Dr. A.P.J.Abdul Kalam International Honour Award- 2020	29 Nov. 2020	Universal Research Ground: Peer Revived Research Journal
3	Swami Vivekanand International Honour Award-2022	11 th Sept. 2022	Universal Research Ground: Peer Revived Research Journal

V) Programs / Courses / FDP Completed:

Sr. No.	Name of the Course/ Summer School Completed	Place	Duration	Sponsoring Agency
1	Orientation Program	University of Pune, Pune.	03/11/99 to 30/11/99	UGC
2	Refresher Course in Physics	Dr. BAM University, Aurangabad	05/09/2002 to 27/09/2002	UGC
3	Refresher Course in Environmental Science (Physics)	SP Pune University, Pune ; org. at ZBP College, Dhule.	10/11/2014 to 30/11/2014	UGC
4	Soft Skill & Professional Ethics'	MANU University, Hyderabad	26/11/2018 to 01/12/2018	UGC
5	FDP on "Cyber Security"	RSM, Latur	16/09/2019 to 21/09/2019	Shivaji University Kolhapur & PMMMM,UGC-HRDC
6	Online FDP on "Scilab"	RSM, Latur	1/05/20 to 07/05/20	PMMMNTT
7	Online One Week FDP on "ICT Tools for Effective Teaching Learning"	SRTMU,Nanded	27/04/20 to 02/05/20	School of Mathematical Sciences, SRTMU, Nanded
8	Online One week FDP on "NAAC Assessment and Accreditation"	Shri Shivaji College, Parbhani	21/05/2020 to 26/05/2020	UGC Paramarsh
9	Online FDP on "Basics of R-Programming"	Rajiv Gandhi University, Arunachal Pradesh in Association	29/04/2020 to 03/05/20	HRDC and Govt.of India

		with IIT Bombay	020	
10	Ten days Webinar Series on “Effective Communication, Great Personality and The New Smart You”	Wellskillz Webinar Series	25th April 2020 to 5th May 2020	Wellspo Pvt. Ltd. at www.wellskillz.com
11	One Week Online Faculty Development Program (FDP) On Photonics (Active Learning in Optics and Photonics)	RSM, Latur	03.11.2020 to 07.11.2020	AICTE Training and Learning (ATAL) Academy
12	One Week Online Faculty Development Program (FDP) On Photonics	RSM, Latur	20.09.2021 to 24.09.2021	AICTE Training and Learning (ATAL) Academy
13	Online STC in Research Methodology (only for Science Discipline)	Dr.BAMU, A'bad	26-12-2022 to 31-12-2022	UGC-HRDC
14	Waste to Energy Conservation	SWAYAM	Jan to March 2023	NPTEL-SWAYAM

VI) Participation in Conferences/Seminars/Workshop:

Sr. No.	Conferences / Workshop / Seminar : Attended/Participated	Date / Duration
1	Seminar on “Curricular development & restructuring of the syllabus in different Science subjects” at Nutan Mahavidyalaya, Sailu, Dist. Parbhani	19,20 Nov.1996
2	Workshop on “New trends in UGC Curriculum for UG Course” at SSGM, Loha, Dist. Nanded	11 th July 2004

3	“National Level Introductory School on Astronomy & astrophysics” org.by Rajarshi Shahu Mahavidyalaya, Latur	15-19 Oct.2004
4	“Celebration of World Year of Physics-2005” at R.S.M. Latur.	26,2 7 Nov.2005
5	“9 th Conference of International Academy of Physical Sciences” at Dr. BRA University, Agra.	3,4,5 Feb.2007
6	National Seminar on “Photonic Materials and Nanotechnology” at RSM. Latur.	23,2 Jan.2009 4
7	National Conference on “Global Recession & its impact on Indian Economy” at RSM Latur.	13,1 Mar. 4 2009
8	National Conference on “Recent trends in Physics & LASER technology” at GMV, Mukhed, Dist. Nanded.	28,2 9 Aug.2009
9	State level Workshop on “Physics Education at Graduate level: A Scientific approach to crisis & Remedial Solutions” at Dayanand Science College, Latur.	5,6 Dec. 2009
10	One day workshop on T.Y.B.Sc. Physics Practical Org. by N. Wadia College, Pune	26 th Aug. 2010
11	‘National Seminar on advances in Computational Mathematics’. Org. by R.S. Mahavidyalaya, Latur.	23,2 Feb. 4 2011
12	National seminar on ‘Exploring Horizons in Microbial technology’. Org. by R.S. Mahavidyalaya, Latur.	21 Jan 2012
13	U.G.C. sponsored National seminar on ‘Physics of Material & photonic devices’. Org. by RSM Latur.	16,1 Mar 7 2012
14	National seminar on ‘Quality Enhancement of Higher Education’. Org. by RSM, Latur.	12,1 Apr. 3 2012
15	National Conference on nanotechnology-2012 at Nilanga, Dist.	7,8 Sep. 2012

	Latur	
16	Workshop on revised curriculum Physics & Electronics at GMV,Mukhed	20 th Sept 2013
17	National conference on: "The Role of Information and Communication Technology in the Higher education of Rural area" Org. at M.M. Nilanga, Dist: Latur	8 th & 9 th Aug. 2014
18	One day State level Seminar on "Academic Performance Indicator (API)", org. by Shahid Bhagatsingh Mahavidyalaya,Killari	23 rd Aug. 2014
19	National Conference on Material Science and Renewable energy Sources, org.by RS Mahavidyalaya,Latur	11 and 12 March 2016
20	Participated in the One Day Workshop on Reforms in Higher Education" Org.by Sub centre of SRTMU, Nanded at Latur	26 Nov.2016
21	Present Scenario and Future Challenges of Autonomous Colleges org.by RS Mahavidyalaya,Latur	17 & 18 April 2017
22	International Conference on Applied Science Org.by SKS Mahavidyalaya,Ausa,Dist: Latur	26 th & 27 th Dec.2017
23	National Conference on Recent trends in material Science and Nanotechnology(RTMSN-2019), Org. by A D A B Mahavidyalaya,Kada,Tq.Ashti, Dist: Beed.	17 March 2019
24	One day Workshop on Intellectual Property Rights (IPR) Awareness for Teachers jointly org.by SRTMUN & RSM Latur & Patlex buissness Solutions,Latur	16 Feb.2019
25	National Conference on Functional Materials Synthesis and Characterization techniques (NCFMSCT-2019), Sponsored by DrBAMU,Aurangabad Org.by Vaidyanath College,Parli Vaijnath	2 March 2019
26	One day National Workshop on New Guidelines of NAAC, Org.by S M P Mahavidyalaya, Murum	6 March 2019
27	Examiner for 8 th Dist. level INSPIRE AWARD 2017-18	23 to 25 Jan.2019
28	E- Content development for effective Teaching org.at S.R.T. Mahavidyalaya, Ambajogai	24 to 25 Aug 2019
29	Manager of RSML team in Vilas Yuvak Mahotsav2019, Babhalgaon Dist: Latur	21 to 24 Sept 2019

30	Hands on & Corporate Training on Maintenance of Laboratory Instruments , RSM Latur	28 Dec.2019
31	Local Coordinator of Talent Search Examination ,RSM Latur	18 th Jan 2020
32	International Conference on “Recent Advances in Physical and Chemical Sciences” Sangola College, Sangola	22 nd Jan 2020
33	State Level Workshop on Research Report Writing , RSM Latur	30/01/2020
34	National seminar on NAAC(RAF) Related Quality Assurance Strategy, RSM Latur	22/01/2020
35	Demonstrating Commitment (Online) ISO ,Delgon Technology & IAF	15/04/2020
36	COVID-19 Pandemic General Awareness Quiz (Online) Chandigarh Group Colleges,Mohali	16/04/2020
37	COVID-19 General Awareness Quiz & Commitment (Online)	19/04/2020
38	Corona Awareness Quiz & Commitment (Online), Annasaheb Magar Mahavidyalaya,Hadapsar,Pune	23/04/2020
39	Virtual Panel Discussion on Changing Role of Education (Online), BIAP	25/04/2020
40	Two day national Level Basic Workshop on Writing and Publication (Online),Pinacle Educare,Pune	28,29 /04/ 20
41	Faculty Development Workshop on E-learning (Online), SPN Doshi Womens College & Edfly	1 May 2020
42	National Webinar on “CAS promotion Issues & E-Content Development (Online), D.M. Mahavidyalaya, Kalamb	1 May to 2 May 2020
43	Webinar On Reprogram Your Mind through NLP (Online),Indian Academicians & Researchers Association	6 th May 2020
44	National Level Webinar on “ Post Covid Academic Scenario (Online),North Maharashtra University & College Teachers,Jalgaon	18 th May to 22 nd May 2020
45	Scilab Training (Online),RSML & IIT Bombay	7 th May 20
46	National Webinar on Carrier in Data Science (Online), RSM Latur	18 th May 2020

47	Two Day national Webinar On “ Patent, Copyright, Trademark & GI (Intellectual Property Rights) (Online),White Code and GMGC	18 th May to 20 th May 2020
48	National Webinar on Understanding Student Centric Methods and Techniques for Effective Teaching (Online), Dr.Babasaheb Ambedkar College, Aundh,Pune	27 th May 2020
49	NIRF & AISHE: Role of Teachers in excelling performance of Institutions (Online), RSM Latur & SMDM Mahavidyalaya,Kalamb	31 May 2020
50	Quiz Competition based on Environmental Awareness (on the occasion of World Environmental Day)(Online), Gramin ACS Mahavidyalaya,Vasantnagar,Mukhed	5 ^h June 2020
51	Workshop on NAAC Assessment and Accreditation Process (Online), IQUAC,RSM Latur	6 th June 2020
52	Webinar on COVID-19 & Digital Transformation in Higher Education (Online), RSM Latur & Digital Edu Pvt.Ltd	9 th June 2020
53	One Day Online Interdisciplinary International Conference On Research Methodology in Higher Education	14 Jun 2020
54	National Online Seminar on Mystery of Crater Lake Lonar India organized by Department of Geography, Rajarshi Shahu Mahavidyalaya (Autonomous) Latur .	11 July, 2020
55	National level Online Workshop on “Strategies for Effective Online Teaching” organized by Department of English, Rajarshi Shahu Mahavidyalaya(Autonomous),Latur	15 December, 2020.
56	A National online Workshop on Good Laboratory practices and its integration to NAAC 2020(GLPN-2020) Organized by RSM Latur	30 Dec 2020
57	IPR's and Patents Org. by RSM Latur	15/3/2021
58	One day national ‘e-Workshop on scientific Writing’ Org.by RSM, Latur	17 April 2021
59	Professional Development Program for Teaching Staff on LMS & Microsoft Teams, Org.by RSM, Latur	13/11/21
60	ATAL'S FDP on “ One week International online FDP on Photonics, Org. by RSM Latur	20/9/21 to 24/9/21
61	National IPR awareness Mission , Intellectual Property Office , India	25/1/22
62	“Plagiarism & Emerging Trends in Research Development & Methodology” (ICPERM-2022)- International e-	5/2/2022

	conference Org.by Millia College, Beed	
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