CURRICULUM VITAE

Dr Radhika Gautam Deshmukh

Designation : - Assistant professor

Date of birth : - 26/10/1976

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Academic Qualification

Examination passed	Board/ University	Subject/ Specialization	Year of passing	Division/ Grade/ Merit
Bachelor's Degree	University, Amravati	PCM	1997	First
Master's Degree(M.Sc.)	University, Amravati	Physics	1999	First
Ph.D.	S.G.B.Amravati University, Amravati	Physics	2015	-
Other Degree/Diploma	S.G.B.Amravati University, Amravati	M.S.C.I.T.	2003	-
B.Ed	University, Amravati		2000	Second

Current Research Interest

1. Study of dark energy cosmological models in alternative theories of Gravitation.
2. Comparative education for global citizenship
3. Study of Properties of Nanoparticles.

Special Achievement

1) **Awarded by IRDP GROUP OF JOURNALS Cheenai,India by BEST TEACHER national award**
2) **Awarded by 'SAVITRIBAI PHULE" BEST TEACHER AWARD BY MAHARASHTRA STATE GOVERNMENT IN 2019**

Proceedings/Journal Articles

1. **Research publication in journal**
   a) "Bianchi type II VII & IX Universe filled with dark fluid in F (R,t) theory of gravity" Published in International journal of theoretical and mathematical physics (ISSN : 2167- 6844)
   b) "Anisotropic universe with dark energy in Lyra Geometry" Published in International Conference on Mathematical Physics 28-31 Dec – 2012 at Nagpur.
   c) "Bianchi type VI_0 Universe with anisotropic dark energy in Lyra Geometry" Publish in American journal of mathematics and mathematical sciences.
   d) Bianchi type II Universe filled with wet dark fluid in F(R,t) theory of gravity Published in International journal of theoretical and mathematical physics USA
   e) Presented a paper in state level science and math teacher conference at ISSER ,Pune
   f) Presented Paper in International Science mathematics and Technology conference at **Bangkok, Thailand.**

2. **Participation in International and National Conferences :-**
   a) "Comparative education for global citizenship peace and harmony through Ubuntu" paper Published in 1st WCCES in university of Johannesburg **South Africa**

b) Presented paper title Bianchi VI_0 Universe with anisotropic dark energy in International conference on General Relativity – 2015
c) Presented a Poster in International conference on "The Study of Dark Energy and Dark Matter" at Shri Shivaji College Nagpur (2017)
d) Participated in World Women Conference Organized by Vidarbha Youth Welfare Society, Amravati.
e) Participated in National Conferences and presented a poster on Study of Properties of nano particles at Akola.
f) Participated in International Conference on recent trends in Mathematical science and cosmology organized by Govt Model Science College, Rewa (M.P)
g) Presented a Research paper on "Dark matter detection experiment" at Innani college at karanja lad, Amravati.
h) Participated in educational conference 2017 by Manashakti at Lonawala.
i) Participated in 106 ISCA Indian Science Congress and Presented paper.
j) Presented Oral paper in UGC Sponsored National Conference on Emerging Trends in Science1st and 2nd Feb,2019in vidyabharti mahavidyalya Amravati
k) Presented oral paper in International Conference on Multifunctional Advanced Materials-2018 organised by Kamala Neharu Mahavidyalya Nagpur on 5th to 7th oct,2018
l) Presented paper in international conference on advanced nanomaterial and nanotechnology on26-28 nov 2019 at palghar , Mumbai.

m)Oral presentation in National conference on science and technology Rural development Nov 27-28, 2019

n) Poster presentation in NATIONAL CONFERENCE ON RECENT ADVANCES IN PHYSICS AND MATHEMATICAL SCIENCES-2020 in shri shivaji arts,commerce and science college at Akola

o)Presented paper inNational conference NCMRST-2020 IN R.L.T.Collegeof science,AKOLA

3. **Participation in Workshop :-**
   a) Attended workshop on ICT for school in collaboration with Indian Women scientist Association, Amravati.
   b) Participated in Shivaji vidnyan parishad science conference organized by TIFR Mumbai in collaboration with shivaji Science college Amravati.
   c) Participated in NIUS workshop for Physics science teacher workshop at Homi Bhaba centre of science **(TIFR) Mumbai.**
   d) Participated in University level Research oriented workshop (Math) at Shegaon.
   e) Participated in National conference on Frontier areas in chemist and workshop on Quantum Mechanics at Amravati.
   f) Attended FOSS (Free Open Source Software) workshop by TIFR Mumbai in collaboration with Shri Shivaji Science college Amravati.
   g) Attended a National workshop on Sensitization and Technological Empowerment of women at **Pune University.**
   h) Attended and participated in workshop on "Research performance metrics and intellectual property rights" at Amravati.
   i) Attended workshop on "Research Methodology and Perspectives" in Vidya Bharti Mahavidyalay Amravati.
   j) Participated in **SERISESA** Workshop by Institute for Promotion of teaching science and technology at **Bangkok, Thailand**
   k) Participated in the **STEM** education teacher training workshop at Jaipur, Rajasthan. Arranged by **British Council MHRD and ISSER Pune.**

4. **Editor/ Co-editor /Publication :-**
   a) "Dr Punjabrao Deshmukh and his educational work" Article Published in shikshan sankraman, April 2018.
   b) Report on 5th Vidnyan Parishad organized by Shivaji society Published in IAPT bulletin, April 2018.
   c) "The role of Teacher in student's orientated education, Article published in shikshan sankraman, 2013
   d) "Navaupakram" submitted in 2014 to DIET, Amravati
   e) Participated in essay competition organized by Maharashtra State Board **Pune**
   f) **2nd PRIZE in State level Essay competition on NATIONAL INTEGRATION IN 2019**

5. **Academic work**
   a) Work as a subject expert resource person in senior grade pay training program in 2017, Amravati.
   b) Worked as a State Level resource person in senior grade pay training program in 2018, Amravati.
   c) Worked as a expert and examiner in Jijamata vidyalaya chandur bazaar Amravati in 39th state level science exhibition.
   d) Participated as a Mentor in Inspire camp organized by **DST** at Aurangabad (2013) and at Nagpur (2018)
   e) Participated as a Mentor in state level science exhibition at Deovgiri college, Aurangabad (First prize to the participant)
   f) Participated in new syllabus oriented programs by state board and also attended workshop for JEE/NEET organized by Maharashtra state board
   g) Participated in inter School model Making Competition arrange by School of Scholars.
   h) Participated in **"TECHLON-2019**" at PR Pote College presented science model.
   i) Junior Science Club has been established in Shivaji Institute in collaboration with VIPNET for students. This club works for development of students in rural area.
   j) A group of students under guidance participated in 11th state level science exhibition at Devgiri College Aurangabad (1st prize Winner).
   k) Work as a resource person and conducted training of all Physics teachers arranged by state board at Akola, Amravati and Washim.
   l) **Worked as a Moderator and Valuer-15 Years**.

6. **Networking with various organization**
   a) Life member of Indian Association of Physics Teacher (IAPT).
   b) Life member of Marathi Vidnyan Parishad, Mumbai.
   c) Life Member of ISCA.

7. **Social Work**
   a) Donated 5000/- to Savitribai Phule Dattak Yojna.
   b) Partiipated in rally of "Swachha Bharat Abhiyan"

   c)Guest lecture on occasion of savitribai phule jayanti for women /girls development on 3rd January 2019 for women freedam and development.

d)Donated books to poor students of backward class girls in Girls Hostel at Amravati.

e)Arranged motivational lectures for students in shivaji multipurpose school and junior college at Amravati guest are Ad.Urvi ketche and Nilima kale(yashada prashikshan)

f) Robotic workshop and science experiments workshop for tribal area students in shivaji school at chikhaldara

g)Arrange a Planetarium show for rular area students in panjabrao deshmukh school at pap

h)Arranged E Content workshop for teachers.

i)Arranged Guest lecture for awareness AIDS.