

DR.YOGITA

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RESUMÉ



PERSONAL PROFILE

I was born on 6 October 1972 in Haridwar. I had completed my Education from Haridwar.

Marital Status is Married.

I am commissioned in Higher Education Uttarakhand as Assistant Professor Mathematics on 30-10-2014.

EDUCATIONAL HISTORY

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| 2005(awarded) | Ph.D.Mathematics
Topic of Thesis:
Baudhayana Sulba-Sutra and Modern Geometry - A Comprehensive Study |
| 1996 | M.Sc. Mathematics, 1st Division
G.K. University, Haridwar |
| 1994 | B.Sc. (PCM), 1st Division
CCS University, Meerut |
| 1990 | Intermediate (Science) U.P. Board, IInd Division |
| 1988 | High school, U.P. Board, 1st Division |

PROFESSIONAL APPOINTMENT

30/10/2014- Present - Assistant Professor, Department of Mathematics, Dr.P.D.B.
Himalayan Government PG College, Kotdwar

08/1996- 01/2006 At Various UG & PG Colleges during the Period
Taught- Mathematics (Various Papers) as Tutor

08/12/2006- 29/10/2014 Contractual lecturer during the period in Government PG
College, Kotdwar, Garhwal

TEACHING / RESEARCH/ ACADEMIC EXPERIENCE

Overall 20 years of Teaching /Research Experience

- 20 years of Teaching experience for UG and PG classes.
- Participating and performing successfully in the above continuous duration all UG and PG University Examination activities including invigilation/flying/supervision duties, setting of question papers, evolutions of answer sheets and conducting sessional tests, assignments, seminars etc.in PG semester classes.
- Research guidance- Supervisor of M.Phil courses from Periyar Institute of distance education, Periyar University, Salem- Tamil Nadu

SEMINARS / CONFERENCES / WORKSHOPS / TRAINING PROGRAMMES

Attended many Seminars, Conferences, Workshops, Training Program and Short-Term Courses.(list attached)

PUBLICATIONS

Two text Books are published for B.Sc. (Co-author)

- i. Algebra, Anand Publisher, ISSN|ISBN No.- 93-86080-38-7
- ii. Linear Algebra, Anand Publisher, ISSN|ISBN No.- 987-93-86080-15-8

Total 14 Research Paper/Article are published in National and International Journals.

AWARDS/HONOURS

- I was honored by the Nature Conservation and Promotion Campaign Organization for doing remarkable work in the field of education.

- Work as a Resource person on “Refresher Course for Secondary School Teachers” (Science and Mathematics); Organized by CTE Govt. P.G. College, Kotdwar, Garhwal.
- University Topper in M.Sc. Mathematics, Year 1996, From G.K University, Haridwar.

Details of Seminar /Workshops

Session 2014-15

1. Participated and Presented Paper in National Seminar on “ National and Regional Perspectives for Quality Teachers Education : Ways and Means” organized by department of B.Ed. and college of Teacher Education Government PG College ,Kotdwar Garhwal (U.K) February 7- 8 2015.
2. Workshop on “Water Conservation and Water Quality Management using GIS/ GPS ”organized by USERC and USAC ,Dehradun at Government PG College ,Kotdwar on 22-02-2015.
3. Participated and Presented paper in National Seminar on “Development and Ecological Challenges: A need for Paradigm ” organized by department of , Government PG College ,Kotdwar, March 21-22,2015.

Session 2015 -16

1. Participated and Presented Paper in International Seminar on “Regional History: Issues and Challenges” organized by department of History, Multani Mal Modi College Modinagar, (U.P) India ,24 February 2016.
2. Participated in National conference on “Climate Change, Environmental Hazards and Biodiversity Conservation” organized by Sahu Jain College, Najibabad (U.P) 27 -28 March 2016.
3. Participated one day workshop on “Building Awareness on Intellectual Property Rights” organized by department of B.Ed. Dr P.D.B.H Government PG College, Kotdwar Pauri Garhwal ,19 September 2015.

Session 2016-17

1. Participated and Presented Paper in International conference on “Global Initiative in Applied Sciences and Green Technologies” jointly organized by :Scientific Educational and Research Society Meerut India and SRM University, Delhi- NCR Campus ,Modinagar, Ghaziabad (U.P); 09-11 September 2016.
2. Participated and Presented Paper in National Conference on “Current Trends in Applied Sciences” jointly organized by I.Q. A.C and faculty of Science at J.V. Jain College Saharanpur (U.P); 18 t& 19th March 2017.

3. Participated one day workshop on “Utilization of Remote Sensing , Geographical Information System and Information Communication Technology in Modern Times in Perspective of Uttarakhand organized by Government PG College ,Kotdwar, Pauri Garhwal (U.K); 30 November 2016.

Session 2017-18

1. Presented paper in National Conference on “History of Mathematical Sciences” organized by department of Mathematics,S.G.R.R.(P.G) College ,Dehradun ;October 05-07 ,2017.
2. Presented paper in National Conference on “Advances in Operations Research and Mathematical Sciences” AORMS- 2018 organized by department of Research and Post Graduate Studies in Mathematics and department of Statistics, Vardhaman College Bijnor(U.P); 24- 25 February, 2018.
3. Presented paper in National Conference on “Advances in Mathematics and its Applications” (NCAMA 2018), organized by department of Mathematics, M.B. Government PG College ,Haldwani (Nainital), UK, 17 -18 March, 2018.

Session 2018-19

1. Presented paper in National Seminar on “Digitalization in India: The Way to Knowledge Economy” organized by Sahu Jain (PG) College ,Najibabad (U.P) 21 -22 Dec, 2018.
2. Presented paper in National Seminar on “Current and Future prospects of Science Research in India” organized by school of Sciences, IFTM University Moradabad (U.P) ,15 -16 March,2019.

Session 2019-20

1. Presenting and Participating in National women seminar on “सामाजिक समावेशनमें महिलाओं की भूमिका” organized by M.K.P (P.G) College Dehradun (U.K) ,14 September 2019.
2. Presented paper in International Conference on “ Interdisciplinary Research for Sustainable Development: Innovation and Opportunities(ICI RSD-2020) organized at Vardhman college, Bijnor (U.P) , February 14- 16 ,2020.
3. Presented poster paper on “Graph Theory in everyday life” in International conference on “Recent Trends in Advancement of Mathematical and Physical Sciences” organized by Deva Nagri College ,Meerut(U.P) held on May 22-23 ,2020.

Session 2020-21

1. Participated and Presented Paper in International Webinar on the Topic “Biodiversity Conservation Through Environmental Education for Sustainable

- Development” held on 29 July, 2020 at Government PG College ,Kotdwar , Garhwal.
2. Participated as contributory speaker in International Conference on Nonlinear Analysis and its application (ICNAA 2020) organized by department of Mathematics Dayanand Science College, Latur ,27- 29, July 2020.
 3. Presented a research paper on the topic “Various Indian Inventions on Mathematics” in the 9th National Conference on Mathematics Education organized by NCERT, Regional Institute of Education, Bhopal through online mode from 20th to 22nd December 2020.
 4. Presented paper in International Conference on “Role of Yoga, Peace, ICT and Environmental Education for Sustainable Development” organized by CTE and department of B.Ed., Government PG College, Kotdwar held on 23&24 March 2021.
 5. Participated in online workshop on Recent Trends in Domination and Graph Labelling (RTDGL 2021) organised by department of Mathematics , College, University of Delhi in collaboration of Academy of Discrete Mathematics and Applications (ADMA) during 27th May 31st May 2021.

Session 2021-22

1. Participated in one day workshop on “Nuclear Science and Technology” organised by department of Chemistry, Physics and Alumni Association Government PG College Kotdwar, Uttarakhand held on 21 October 2021.
2. Participated in one day symposium on “Sparrow Conservation” organized by Government PG College Kotdwar, Pauri Garhwal (UK) on 29 November, 2021.
2. Presented paper in National Seminar on “ भारत के महानशिक्षाशास्त्री, दार्शनिक, साहित्यकार एवं महापुरुषों का पथ प्रदर्शन” organised by Tirthankar Mahaveer University held on 3, 4, 5 February 2022.

Professional Development Programs, viz., Orientation Programs, Refresher Programs, Faculty Development Programs, Short Term Training Programs.

Session 2014-15

- Participated in one day Orientation Programme held on 17 .11 .14 at CTE Kotdwar, Dr . P.D.B.H. Government P.G College, Kotdwar, Pauri Garhwal(U.K)

Session 2016-17

- Participated in Orientation program -32 from 04 July 2016 to 1st August 2016 at UGC HRDC, Kumaun University ,Nainital (U.K).

Session 2017-18

- Participated in 5th Refresher Course in Mathematics and Statistics (core) from 27 July 2018 to 16 August 2018 at HRDC, Devi Ahilya Bai Vishwavidyalaya, Indore (M.P).

Session 2019-20

1. Participated in one day Orientation Programme for CTE faculty members organized by college of Teacher Education Government PG College, Kotdwar, Garhwal ,30 September, 2019.
2. Participated in the online Faculty Development Program (held on 16th May 2020) on “Fuzzy Sets and Systems” organized by Department of mathematics(shift-II), Patrician College of Arts and Science ,Chennai.
3. Completed one week faculty Development Programs on “Open Source Tools for Research” from 8 June to 14 June, 2020 organized by Teaching Learning Centre Ramanujan College ,University of Delhi.

Session 2020-21

1. Completed one week Pedagogical Training for Teachers on “Tools for online Teaching Learning and Evolution” from 1st July to 6th July, 2020 organized by School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded(Maharashtra).
2. Participated in in five day faculty development program on “Research Trends in Applied Mathematics ”organised by Department of Mathematics, Lal Bahadur Shastri Government first grade college, held from 3rd September 2020 to 7th September 2020.
3. Completed one week online short term training program on “Emerging Trends in E- learning: catalyst for Reforming Higher Education” by Faculty Development Centre HNB Garhwal University, during December 10 to 16, 2020, under PMMMNTT scheme of MHRD Government of India.
4. Participated in 5 days Faculty Development Program on “Impact of Covid-19 on Higher Education and Research initiatives from 24 to 28 May 2021 organised by Sri Venkateswara College of Engineering & Technology, Pondicherry in association with Indian Society for Technical Education, New Delhi.

Session 2021-22

1. Completed Online Two Weeks Refresher Course in Mathematical Sciences organised by Teaching Learning Centre Ramanujan, University of Delhi, from 14 June 2021 to 28 June 2021.

Details of Research Papers / Books

Year 2004-2005

- “SulbKara’s Theorem, its Application to find the value of $\sqrt{2}$, $\sqrt{5}$ and scholar’s view on SulbKara’s Theorem of square on the diagonal”, An International Journal of Physical Sciences, “ActaCienciaIndica”, vol. XXXIM NO.2,349-358(2005).
- “Construction of Syenacit from Baudhayana Sulba Sutra” Ganita- Bharati Bull.SOC.HISTMATH, vol.27, NOS,1-4(2005).
- “Construction of some important vedis from sulba sutra; Journal of National & Physical Sciences, vol.18(2),35-46(2004).
- “Some Geometrical Constructions from Baudhayana Sulba Sutra”, Journal of Natural & Physical Science, Vol 18(1),57-67(2004)
- “Karnai and related Construction from Baudhayana Sulba Sutra” ACCST Research Journal, vol.II, No.1,Jan-2004,4-10.
- Presented paper “Construction of syenacit from Baudhayana sulba sutra in International Vedic Conference on “Contribution of the vedas to the world” Organized by Gurukula kangari University, Haridwar and Published in Ganita-Bharati Bull.SOC.HISTMATH, vol 27,104-128,Nos 1-4,(2005)

Year 2012-13

- “Numerical solution of ordinary Differential Equation”, Proceedings of Academica Conference 2012, HE Uttarakhand.

Session 2017-18

Two Mathematics books are Published for B.Sc (co-author):

- Algebra, Anand Publisher, ISBN/ISSN number-93-86080-38-7.
- Linear algebra Anand publisher ISSN/ ISBN number-978-93-86080-15-8.

Session 2018-19

- One Paper Published in Online International Interdisciplinary ResearchJournal ISSN.Number- 2249-9598. Title is “Various Vedic Mathematics Techniques for Calculations”, Volume-08, April 2018 special Issue.

- Paper on the topic “Various Indian Inventions on Mathematics” published in EDU World (A multidisciplinary International Peer reviewed / refereed journal) with ISSN 2319-7129, Vol.XII, Issue no- 2, April, 2018.

Session 2019-20

- One Paper Published in Online International Interdisciplinary Research Journal ISSN number-2249-9598. Title is “Computational Solution of Ordinary Differential Equations Using Euler’s Method, Volume-09, Issue -04, July- August 2019, page -07- 12.
- One Paper Published in ACTA CIENCIA INDICA Mathematics (An International Journal of Physical Sciences), ISSN number .0970-0455.Title is “Analytical Functions in Analysis: An Overview”, Volume.XLV-M, NO.1 to 4,65(2019)
- Paper on the topic “Challenges of Online Learning in Mathematics in Recent Scenario” published in EDU Care Journal (A Multidisciplinary International Peer Reviewed /Refereed Journal) ISSN 2319-5282.Vol No.IX. Issue 6, Jan.-Dec.2020.

Session 2020-2021

- Paper on the topic “Current Utility of Ancient Mathematics” published in in JETIR ISSN-2349-5162 UGC Approved (Journal No:63975) &7.95 Impact factor Volume-8, Issue 6 June 2021.
- Paper on the topic “Education Towards Developing Responsible Environmental Behaviour as Skill” published in conference proceeding booklet with ISBN number 973-83-53837-82-3 ,2021,118-122.

Declaration: All the above mentioned information is true as per records and/ or my knowledge.

Date: 22-04-22

Place: Kotdwar

Signed