

Department of Bioinformatics

Faculty profile



Name: Ravikant Yadav

Teaching Experience: 8 Year

Research Interest: Drug Designing, Molecular modelling and Structural and functional genomics.

Research Publication:-

1. Molecular Docking Studies of SHC1 Protein: A Drug Target to Treat Obesity Published in **IOSR Journal of Pharmacy and Biological Sciences** e-ISSN: 2278-3008, p-ISSN: 2319-7676. Volume 9, Issue 6 Ver. III (Nov -Dec. 2014), PP 63-68. [Impact Factor: 1.138]
2. Identification of Targetable Virulence Factor and Drug Screening For Bacterial Pneumonia in IOSR JPBS Published in **IOSR Journal of Pharmacy and Biological Sciences** Volume 10 Issue1, Version 3, 1 Jan. Feb 2015. [Impact Factor: 1.138]
3. Importance of Bioinformatics In BioSciences Published in Kshipra Research Journal Vol.I(2) Sept. 2015,ISSN 2395-5333.
4. Photonics technology, Application and its economic impact published in **Int. J. of Advances in sciences and technology** Vol. 10 Issue No. 21, Feb. 2016, Issn 2230-9659.
5. Molecular screening of some antiviral compounds against four viral diseases H1N1,chikungunya,Ebola and Dengue Published in International journal of researches in Biosciences ,Agriculture and Technology volume5 ISSN NO.2347-517X,special issue(2) july 2017.
6. In silico study of 5-alpha –reductase (5-AR) active site prediction and interaction with supernatural compoundII Published in International jounal for environmental rehabilitation and conservation ISSN:0975-6272 XI (SP2):329-335 . 15 Aug 2020. [Impact Factor: 4.2]

Book published:Nil

Awards/Achievements: Resource Person in National seminar –Cum workshop on Biological conservation held at Govt. Girls' P.G College Ujjain M.P during 24th March, 2015.

Subject related activities: Involved in various research of bioinformatics and seminar and workshop.

1. Participated in National level EDUTHON 2020 Redefine the higher education policy from present future Organized by Govt. Madhav science Collage Ujjain on 12-14 Aug 2020.
2. Participated in 7 Day National workshop on UDAAN Organized by Govt. Madhav science Collage Ujjain on 02-8 July 2020.
3. Participated in National workshop on "CRAFT OF SCIENTIFIC WRITING " conducted under the agency of PURE Organized by Govt. Madhav science Collage Ujjain on 09-10 July 2020.
4. Participated in National level lecture series on "Let us explore the wonderful organic chemistry Organized by Department of higher education govt of m.p./ Govt. Madhav science Collage Ujjain on 31 July 2020.
5. Participated in 7 Day Faculty development programme FUTURE TECHNOLOGIES IN POST COVID ERA Organized by Department of higher education govt of m.p./ Govt. Madhav science Collage Ujjain on 07 July 2020.
6. Participated in National level lecture on young leadership conclave Organized by Govt. Madhav science Collage Ujjain on 18 July 2020.
7. Participated in National level lecture on gender equity to gender quality Organized by Govt. Madhav science Collage Ujjain on 30 July 2020.
8. Participated In academic lecture economy and ecology Organized by Govt. Madhav science Collage Ujjain on 08 July 2020.
9. Participated 2 Day National webinar preparing for NAAC infrastructure and learning resources criteria 4 NAAC Organized by Govt. Madhav science Collage Ujjain on 22-23 June 2020.
10. Participated 1 Day International webinar Protecting your intellectual property right Organized by Govt. Madhav science Collage Ujjain on 16 June 2020.
11. Participated 2 Day International conference Recent advanced in life sciences for betterman environment and human health Organized by Holkar science college indore Dec. 14-15 2019.
12. Participated one day Seminar on environment and management Organized by vigyan bharti malwa prant Ujjain 18-11-18 .
13. Participated 3 Day National conference on New Frontiers in Science : A Paradigm shift to Policy Planning Organized by Govt. Madhav science Collage Ujjain on 01-12-17-03-12-17.
14. 2 Day workshop attended and Master trainer on Protein-Protein Interaction on 9-10 March 2017 Sponsored by IQAC , NAAC and Department of Higher education M.P.

15. Workshop Organized as a Convener on Personality Development through Social Services in collaboration with NSS unit of Govt. M.V.M. Ujjain on 13 Jan 2017.
16. Participated one day Seminar on sansadiy karyshala Organized by Govt. Madhav science Collage Ujjain on 18 jan. 2017.
17. Workshop attended and Master trainer on student Research Internship Programme in chemistry under Pursit of Research Excellence organized by by Govt. Madhav science Collage Ujjain on 03-05 Nov. 2016.
18. Workshop attended and Master trainer on drug discovery technology conducted by discovery group of India in collaboration with department of bioinformatics Biotechnology and Chemistry from 08-12 Sept. 2016.
19. Participated two day Seminar on Strategies for sustainable use of Land water ,air,Agriculture and energy Resources Organized by Govt. kalidas Girls Lead College Ujjain .
20. Workshop organized and Master trainer on Basics of Bioinformatics sponsored by UGC –CRO Bhopal on 10-12 sep. 2015.
21. Workshop attended on next generation sequencing organized by MPCOST Bhopal sponsored by DST NEW Delhi on 15-17 March 2016 at Bhopal.
22. Paper presented in national consortium “ from photonics to economic impact of light organized by Govt. M.V.M. Ujjain sponsored by MPCST Bhopal on 28 feb. 2016.
23. Workshop attended an awareness workshop on mysterious world of snakes sponsored by IQAC and R&D cell organized by the department of Zoology ,Microbiology Bioinformatics and 14 march 2015
24. Participated one day Seminar on 07 Feb 2015 Entitled Computational Biology Issue’s Organized by IQAC and R&D Cell Of Govt. Madhav science Collage Ujjain.
25. Participated one day Seminar on 29 Feb. 2015 Entitled Current Ecological and Environmental Issue’s Organized by IQAC and R&D Cell Of Govt. Madhav science Collage Ujjain .
26. Attended and presented a paper INTERNATIONAL CONGRESS on Scientific innovation and intellectual property laws: The interface organized by vikram university Ujjain m.p. 18-20 sep. 2014. and present the paper entitled “Introduction of targetable virulence factor and drug screening for bacterial pathogen of pneumonia.”
27. Attended and presented a paper National Seminar on Crystallography and its Applications Organize by Department of Physics Govt. Girls post Graduate College Ujjain (m.p.) 25-26 sep. 2014. And Present the paper entitled “Comparative Modeling of Trigger Factor Protein– An In-Silico Approach Based on X-Ray Crystallography Swiss Model Server.”
28. Attended and presented a paper National Conference on “ Indian Environmentalism & Developmental Issues” And has actively participated & Presented a paper entitled “ Water pollution – How much aware we are ? And how to solve this problem?” held at Govt. Madhav Science P.G. College, Ujjain on 3rd &4th March,2014.
29. Attended and presented a paper National seminar on “Intellectual Property Rights” held on 13th oct 2012. Sponsored by Madhay Pradesh council of Science and Technology Bhopal.

Major Social engagements:class room activity like open discussion, webinars, personality development classes.

Teaching learning Pedagogy:

Online mode:

- Lectures on google meet, zoom.
- Use of ppt
- Educational videos

Offline mode:

- Marker, duster and white board
- Projectors and ppt
- Posters and work flow charts
- Books and notes