Official address

Assistant Professor

Department of Chemistry,

Mohan Lal Sukhadia University (M. L. S. U.),

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Dr. Dinesh Kumar Yadav

1. **Institution:** Mohanlal Sukhadia University, Udaipur-313001, Rajasthan, India
2. **Date of Birth:** January 25, 1980
3. **Research Area: Natural Products, Bioactive Natural Products Synthesis** (Simple molecules)
4. **Area of Expertise:**
   - Terrestrial Natural Products
   - NMR and Structural Elucidation
   - Synthesis of Biological Active Molecules
   - Development of active fraction from crude extract (Using plant renewable parts)

Research Project: (Ongoing)

1. Recently one CRG (Core Research Grant) research project entitled "**Phytochemical Investigation of Ziziphus mauritiana Lam. and Cassia auriculata L. in search of potent bioactive lead**" has been approved for funding by DST SERB New Delhi, India. Sanctioned **Fund 42.53832 Lakhs, Sanction date: 18 December, 2020**

Research Project: (Completed)

1. One research project entitled "**Development of anti-osteoporotic agents from ethno-medicinal plants of Rajasthan**" has been received on 05 December, 2015 from UGC, New Delhi under the scheme of "Start-Up Grant for Newly Recruited Faculty". Sanctioned **Fund 6.00 Lakhs**
2. One ECR (Early Career Research) research project entitled "**Phytochemical investigation of Manilkara hexandra (Roxb.) and Litsea glutinosa (Lour) in search of potent bio-active lead**" has been approved for funding by DST SERB New Delhi, India. Sanctioned **Fund 25.60 Lakhs**

Collaborations:

1. **Dr. Prasoon Gupta**
   Principal Scientist
   Natural Products & Medicinal Chemistry Division
   CSIR – Indian Institute of Integrative Medicine
   Canal Road, Jammu – 180001, India
   Email: guptap@iiim.res.in
2. **Dr. Ved Prakash Verma**
   Associate Professor,
   Department of Chemistry,
   Banasthali Vidyapith
   Rajasthan, India
   Email: **vedprakash079@gmail.com**

3. **Dr. Mohd. Faheem Khan**
   Assistant Professor
   Phytopharmaceutical Drug Discovery Lab
   Dept. of Chemistry & Dept. of Biotechnology
   Era University, Lucknow-226003,
   UP, India
   Email: faheemkhan35@gmail.com

4. **Dr. Vineet Kumar Maurya**
   Assistant Professor (Microbiology)
   Department of Botany and Microbiology
   H.N.B. Garhwal University, Srinagar- Garhwal
   Uttarakhand -246174
   Email: vineetkm2000@gmail.com

5. **Dr. Devendra Pratap Mishra**
   Department of Applied Science and Humanities
   Rajkiya Engineering College
   Ambedkar Nagar, Akbarpur
   UP, 224122, India
   Email: devmishra21@gmail.com

Ph.D. Scholars (Awarded)

1. **Dr. Mohd. Sharukh Khan Zai**
2. **Dr. Hina Mathur**

Research Group (Working)

1. **Charul Somani:**
   Isolation and structure elucidation of natural products from terrestrial plants Manilkara Hexandra and Litsea Glutinosa
2. **Mahesh Meena:**
   Phytochemical investigation of Dalbergia sissoo and synthesis of indolizine analogs
3. **Praveen Meena:**
   Phytochemical investigation of Pongamia Pinnata and its applications
4. **Pankaj Naharwal:**
   Phytochemical investigation of Cocculus hirsutus and development of greener method for synthesis of Indolizine Derivatives
5. **Savita:**
   Phytochemical investigation of Cassia Auriculata and Bombax Ceiba

5. Academic qualifications

- Ph.D. Joined as research scholar at C.D.R.I, Lucknow and registered for Ph. D. at B.H.U., Varanasi having specialization in Natural Products Chemistry. I have awarded doctorate on 2011 from Institute of Medical Sciences, Banaras Hindu University.
- M.Sc. (Chemistry), Mohan Lal Sukhadia University, Udaipur (1st Div.), June 2004.
- B.Sc. (Chemistry, Botany, Zoology), Mohan Lal Sukhadia University, Udaipur (1st Div.), June 2000.

6. Award and fellowships

- Qualified Joint CSIR-UGC Junior Research Fellowship (JRF) and Eligibility for Lectureship-National Eligibility test (NET-JRF) held on December 19, 2004.

7. Research Information:

- Thesis title: **Chemical Investigation of Indian medicinal plants and synthesis of biologically active natural products**.
- Thesis Supervisor's: **Dr. Rakesh Maurya** (Scientist-F; Medicinal & Process Chemistry Division, CDRI, Lucknow, India) and **Prof. Mahendra Sahai** (Medicinal Chemistry Department, Institute of Medical Sciences, B.H.U., Varanasi).
- Research working institute during Ph. D. is **Central Drug Research Institute**, Lucknow, U.P., India
- Doctoral awardee institute: **Banaras Hindu University**, Varanasi, UP, India

8. Work experience (In Chronological order).

S.No.	Positions held	Name of the Institute	From	To	Pay Scale
1.	Assistant Professor	Mohanlal Sukhadia University, Udaipur	22.02.2012	21.02. 2018	6000/- AGP
2.	Assistant Professor	Mohanlal Sukhadia University, Udaipur	22.02.2018	Till Date	7000/- AGP

International Publications in foreign journals

42 Peer-reviewed articles, Total Impact factor = 137.1, Average Impact factor = 3.2 (As on 25.10.23)

1. Constituents of *Ocimum sanctum* with anti-stress Activity. Prasoon Gupta, **Dinesh K. Yadav**, Kiran Babu Sripurapu, Guatam Palit, Rakesh Murya. **Journal of Natural Product, 2007**, 70, 1410-1416. **Impact factor 5.1, Citation 48, American Chemical Society (ACS) Publication**
2. Synthesis of 3,5- disubstituted isoxazolines as protein tyrosin phosphate 1B inhibitors. Rakesh Maurya, Prasoon Gupta, Ghufran Ahmad, **Dinesh K. Yadav**, Kailash Chand, Amar Bahadur Singh, Akhilesh K. Tamrakar, Arivind K. Srivastava. **Med. Chem. Res., 2008**, *17*, 123-136. **Impact factor 2.6, Springer Publication, No citation**
3. Osteogenic activity of constituents from *Butea monosperma*. Rakesh Maurya, **Dinesh K. Yadav**, Geetu Singh, Biju Bhargavan, P. S. Narayana Murthy, Mahendra Sahai, Man Mohan Singh. **Bioorganic & Medicinal Chemistry Letters, 2009**, *19*, 210-213. **Impact factor 3.4. Elsevier Publication, No citation**
4. Methoxylated isoflavones, cajanin and isoformononetin, have non-estrogenic bone forming effect via differential mitogen activated protein kinase (MAPK) signalling. Biju Bhargavan, Abnish Gautam, Divya Singh, Amit Kumar, Sumit Chaurasia, Abudul Tyagi, **Dinesh K. Yadav,** Jay Sharan, Amar B. Singh, Sabyasachi Sanyal, Atul Goel, Rakesh Maurya, Naibedya Chattopadhyay. **J. Cellular Biochemistry, 2009**, 108, 388-399. **Impact factor 4.4. Wiley Publication, No Citation**
5. Antihyperglycaemic activity of α- amyrin acetate in rats and db/db mice. Amar B. Singh, **Dinesh K. Yadav**, Rakesh Maurya and Aravind K. Srivastava. **Natural Product Research, 2009**, 15, 876-882. **Impact factor 2.4, Taylor & Francis Publication, No citation**
6. Quantitative determination of Formononetin and its metabolite in rat plasma after intravenous bolus administration by HPLC coupled with tandem mass spectrometry. Sheelendra Pratap Singh, Wahajuddin, **Dinesh K. Yadav**, Preeti Rawat, Rakesh Maurya, Girish Kumar Jain. **Journal of Chromatography B**, **2010**, 878, 391-397. **Impact factor 3.0, Elsevier Publication, Citations 38**
7. Total extract and standardized fraction from the stem bark of *Butea monosperma* have osteoprotective action: evidence for the nonestrogenic osteogenic effect of the standardized fraction. Rashmi Pandey, Abnish K. Gautam, Biju Bhargavan, Ritu Trivedi, Gaurav Swarnkar, Geet K. Nagar, **Dinesh K. Yadav**, Manmeet Kumar, Preeti Rawat, Lakshmi Manickavasagam,

Amit Kumar, Rakesh Maurya, Atul Goel, Girish K. Jain, Naibedya Chattopadhyay, and Divya Singh. **Menopause***:* **The Journal of the North American Menopause Society**. **2010**, 17, 3, 602-610. **Impact factor 3.3, (The North American Menopause Society) NAMS publication, No citation**

8. Reverse phase- HPLC Method for determination of Marker Compounds in NP-1 an Anti-osteoporotic Plant Product from *Butea monosperma*. Varsha Gupta, Anil Kumar Dwivedi, **Dinesh K. Yadav**, Manmeet Kumar and Rakesh Maurya. **Natural product communication, 2010**, 5, 1, 47-50. **Impact factor 1.4, NPC Publication, No Citation**
9. Medicarpin Inhibits Osteoclastogenesis and Has Nonestrogenic Bone Conserving Effect in Overiectomized Mice. Abdul M. Tyagi, Abnish K. Gautam, Amit Kumar, Biju Bhargavan, Kamini Srivastava, Ritu Trivedi, **Dinesh K. Yadav**, S. Saravanan, Caroline Pollet, Michel Brazier, Romuald Mentaverri, Rakesh Maurya, Naibedya Chattopadhyay, Atul Goel, Divya singh. **Molecular and Cellular Endocrinology**, **2010**, 325, 101-109. **Impact factor 4.3, Elsevier Publication, No citation**
10. "Differential Effects of Formononetin and Cladrin on Osteoblast Function, Peak Bone Mass Achievement and Bioavailability in Rats". Abnish K Gautam, Biju Bhargavan, Abdul M Tyagi, Kamini Srivastava, **Dinesh K Yadav**, Manmeet Kumar, Akanksha Singh, Jay S Mishra, Amar B Singh, Sabyasachi Sanyal, Rakesh Maurya, Lakshmi Manickavasagam, Sheelendra P Singh, Wahajuddin Wahajuddin, Girish K Jain, Naibedya Chattopadhyay, Divya Singh. **Journal of Nutritional Biochemistry**, **2011**, 22, 318-327. **Impact factor 6.1, Elsevier Publication, No citation**
11. Synthetic analogs of daidzein, having more potent osteoblast stimulating effect. **Dinesh K. Yadav**, Abnish K. Gautam, Jyoti Kureel, Kamini Srivastava, Mahendra Sahai, Divya Singh, Naibedya Chattopadhyay, Rakesh Maurya. **Bioorganic & Medicinal Chemistry Letters**, **2011**, 21, 677-681. **Impact factor 3.4**, **Elsevier Publication, No citation**
12. Antiulcer constituents of *Annona squamosa* twigs. **Dinesh K. Yadav,** Neetu Singh, Kapil Dev, Rolee Sharma, Mehandra Sahai, Gautam Palit, Rakesh Maurya. **Fitoterapia**, **2011**, 82, 666-675. **Impact factor 3.4, Elsevier Publication**, **No Citations**

13. Daidzein Prevents the Increase in CD4CD28null T Cells and B Lymphopoesis in Ovariectomized Mice: A Key Mechanism for Anti-Osteoclastogenic Effect. Abdul. M Tyagi, Kamini Srivastava, Kunal Sharan, **Dinesh K. Yadav**, Rakesh Maurya, Divya Singh. **PLoS One 2011**, 6 (6), e21216. **Impact factor 3.7, Public Library of Science (PLC) Publication, Citation 18**
14. N-methyl-6, 7-dimethoxyisoquinolone in *Annona squamosa* twigs is the major immune modifier to elicit polarized Th1 immune response in BALB/c mice. Vishal Kumar Soni, **Dinesh K. Yadav**, Nasreen Bano, Preety Dixit, Manisha Pathak, Rakesh Maurya, Mahendra Sahai, Swatantra Kumar Jain, Shailja Misra-Bhattacharya. **Fitoterapia**, **2012,** 83(1), 110-116. **Impact factor 3.4, Elsevier Publication, citation 01**

15. Formononetin reverses established osteopenia in adult ovariectomized rats. Abdul Malik Tyagi, Kamini Srivastava, Anuj K Singh, Avinash Kumar, Bendangla Changkija, Rashmi Pandey, Shibani Lahiri, Geet K Nagar, **Dinesh K. Yadav**, Rakesh Maurya, Ritu Trivedi, Divya Singh. **Menopause**. **2012**, 19 (8), 856-63. **Impact factor 3.3, Lippincott Willams & (LWW) Publication, Citations 6**.

16. Premature T Cell Senescense in Ovx Mice is Inhibited by Repletion of Estrogen and Medicarpin: A Possible Mechanism for Alleviating Bone Loss. Abdul M Tyagi, Kamini Srivastava, Jyoti Kureel, Amit Kumar, Ashutosh Raghuvanshi, **Dinesh K. Yadav**, Rakesh Maurya, Atul Goel, Divya Singh. **Osteoporosis Int.**, **2012** March, (23), 3, 1151-1161. **Impact factor 5.0, Springer Publication, No Citations.**

17. Positive skeletal effects of cladrin, a naturally occurring dimethoxydaidzein, in osteopenic rats that were maintained after treatment discontinuation. K Khan, K Sharan, G Swarnkar, B Chakravarti, M Mittal, T K Barbhuyan, S P China, M P Khan, G K Nagar, **Dinesh K. Yadav**, P Dixit, R Maurya, N Chattopadhyay, **Osteoporosis Int.** 2013 Apr: (24) 4 , 1455-70. **Impact factor 5.0, Springer Publication, citations 8.**

18. Greater skeletal gains in ovary Intact rates at maturity are achieved by supplementing a standardized extract of Butea monosperma stem bark that confers better bone conserving effect following effect following Ovariectomy and current treatment withdrawal. Kamini Srivastava, Kainat Khan, Abdul M. Tyagi, Mohd. P. Khan, **Dinesh K. Yadav**, Ritu Trivedi, Rakesh Maurya, Divya Singh, and Naibedya Chattopadhyay. **Evidence based complementary and alternative medicine**, Volume 2013, Article ID 519387, 12 pages, http://dx.doi.org/10.1155/2013/519387, **Impact factor 2.6, Hindawi Publishing Corporation, Citations 4.**

19. Isoformononetin, a methoxydaidzein present in medicinal plants, reverses bone loss in osteopenic rats and exerts bone anabolic action by preventing osteoblast apoptosis. Kamini Srivastava, Abdul Malik Tyagi, Kainat Khan, Manisha Dixit, Shibani Lahiri, Avinash Kumar, Bendangla Changkija, Mohd Parwez Khan, Geet K Nagar, **Dinesh K. Yadav**, Rakesh Maurya, Sheelendra P Singh, Girish K Jain, Wahajuddin, Ritu Trivedi, Naibedya Chattopadhyay, Divya Singh. **Phytomedicine**. Volume 20, Issue 6, 2013, 470-80 **Impact factor 7.9, Elsevier publications, Citations 2.**

20. Immunomodulatory constituents from *Annona squamosa* twigs provoke differential immune response in BALB/c mice. Vishal Kumar Soni, Manisha Pathak, **Dinesh K. Yadav**, Rakesh Maurya, Mahendra Sahai, Swatantra Kumar Jain and Shailja Misra-Bhattacharya. **Current Science**, VOL. 104, NO. 9, 10 MAY 2013, page 1224-30. **Impact factor 1.1**

21. Synthesis of New Heterocycles *via* the Reaction of β-Lapachone with 1,2-Diamines Using Triton X-100 Surfactant as Catalyst in Aqueous Medium. Poonam Khandelwal, Pooja Vyas, **Dinesh K. Yadav**, Neetu Koolwal and Pahup Singh. **Synthetic Communications**, 2017, Vol. 47, No. 7, 688-694 **Impact factor 1.9**

22. Hina Mathur, Mohd. Shahrukh Khan Zai, Poonam Khandelwal, Neetu Kumari, Ved Prakash Verma, **Dinesh Kumar Yadav***, Pd/Cu Assisted C-S activation and N-H insertion: Highly

diverse synthesis of 2-aminopyrimidines from 3,4-dihydropyrimidin 1*H*2-thiones**, Chemistry of Heterocyclic Compounds**, **2018**, 54(3), 375–378, ISSN 1573-8353 (Online), **Impact factor 1.4**

23. Devendra Pratap Mishra, Mohsin Ali Khan, **Dinesh Kumar Yadav**, Arun Kumar Rawat, Rakesh Kumar Singh, Tanveer Ahmed, Mohd. Kamil Hussian, Mohmad Saquib, Mohammad Faheem Khan, Monoterpene indole alkaloids from Anthocephalus cadamba fruits exhibiting anticancer activity in human lung cancer cell line H1219, **Chemistry Select**, 2018, 3 (29), 8468 – 8472, **ISSN**: 2365-6549, **Impact factor 2.3**

24. Pradeep Yadav, Sonal Hada, **Dinesh Kumar Yadav**, Neetu Kumari, Synthesis and antibacterial activity of 1,3-dione derivatives of 1-cyclopropyl-7-[4-(2,6-dimethyl/dimethoxypyrimidin-2-yl-diazenyl)-piperzin-1-yl]-6-fluoro-4-oxo-1,4-dihydroquinolone-3-carboxylic acid. **Indian Journal of Chemistry**, Vol. 57B, July 2018, pp.1065-69, ISSN: 0975-0983 (Online), **Impact factor 0.4**

25. Pooja Vyas, **Dinesh Kumar Yadav**, Poonam Khandelwal**,** *Tectona grandis* (teak) - A review on its phytochemical and therapeutic potential, **Natural Product Research,** 2019, VOL. 33(16), 2338–2354, **Impact factor 2.4**

26. Akriti Kumari, Manvika Karnatak, Davinder Singh, Ravi Shankar, Jawahar L. Jat, Siddharth Sharma, Dinesh Yadav, Rahul Shrivastava, Ved Prakash Verma, Current scenario of artemisinin and its analogues for antimalarial activity, **European Journal of Medicinal Chemistry**, 2019, 163, 804-829, **Impact factor 6.7**

27. Sonal Hada, Mohammed Shahrukh Khan Zai, Priyanka Roat, Ved Prakash Verma, Anuj Kumar Shah, Dinesh Kumar Yadav and Neetu Kumari. Metal-Free Graphene Oxide Promoted a Novel Multicomponent Reaction for the Synthesis of 3-Substituted Quinazolinones Using DMSO as One Carbon Synthon. **Chemistry Select**, **2019**, *4(4)*, 1176 –1179, **Impact factor 2.3**

28. Priyanka Roat, Bhanwar K. Malviya, Sonal Hada, Bhawna Chechani, Mukesh Kumar, Dinesh K. Yadav, Neetu Kumari, Chlorophyll Catalysed Ultrafast Oxidation of Thiols in Water, **Chemistry Select**, **2020**, *5(31)*, 9714-9719, DOI: 10.1002/slct.202002011, **Impact factor 2.3**

29. Sonal Hada, Dinesh Kumar Yadav, Priyanka Roat, Neetu Kumari, Eulophia Nuda: A Review of Its Traditional Uses, Phytochemistry and Pharmacology, **Pharmaceutical Chemistry Journal**, **2020**, Vol. 54, No. 1, 40-45, DOI: https://doi.org/10.1007/s11094-020-02152-8, **Impact factor 0.5**

30. Monika Shukla, Mohammad Hassam, **Dinesh Kumar Yadav**, Siddharth Sharma, Chandan Singh, Sunil K Puri, Rahul Shrivastava, Ved Prakash Verma, Synthesis of novel 1, 2, 4-trioxanes and antimalarial evaluation against multidrug-resistant Plasmodium yoelii nigeriensis,

Bioorganic & Medicinal Chemistry Letters, 2021, 49, 128305, DOI: 10.1016/j.bmcl.2021.128305, **Impact factor 3.4**

31. Manvika Karnatak, Mohammad Hassam, Murugesan Vanangamudi, Siddharth Sharma, **Dinesh Kumar Yadav**, Chandan Singh, Sunil K Puri, Varun Rawat, Ved Prakash Verma, Novel naphthyl based 1, 2, 4-trioxanes: Synthesis and in vivo efficacy in the Plasmodium yoelii nigeriensis in Swiss mice, **Bioorganic & Medicinal Chemistry Letters, 2021**, 51(9), 128372, DOI: 10.1016/j.bmcl.2021.128372, **Impact factor 3.4**

32. Mohammad Hassam, Ajit Shankar Singh, **Dinesh Kumar Yadav**, Chandan Singh, Sunil K Puri, Ved Prakash Verma, Reduction of the Double Bond of 6-Arylvinyl-1,2,4-trioxanes Leads to a Remarkable Increase in Their Antimalarial Activity against Multidrug-Resistant Plasmodium yoelii nigeriensis in a Swiss Mice Model, **ACS Omega, 2021** *6* (45), 30790-30799, DOI: 10.1021/acsomega.1c05041, **Impact factor 4.1**

33. Mohammad Faheem Khan, Devendra Pratap Mishra, **Dinesh Kumar Yadav**, Devendra Singh Negi, Secondary metabolites of Anthocephalus chinensis (Lamk.): a concise review, Secondary metabolites of Anthocephalus chinensis (Lamk.): a concise review, **Monatshefte für Chemie - Chemical Monthly**, **2022**, 153**,** 9–20, DOI: https://doi.org/10.1007/s00706-021-02871-y, **Impact factor 1.6**

34. Manvika Karnatak , Mohammad Hassam, Ajit Shankar Singh, **Dinesh Kumar Yadav**, Chandan Singh, Sunil.K. Puri, Ved Prakash Verma, Novel hydrazone derivatives of N-amino-11-azaartemisinin with high order of antimalarial activity against multidrug-resistant Plasmodium yoelii nigeriensis in Swiss mice via intramuscular route, **Bioorganic & Medicinal Chemistry Letters**, **2022**, 58,(15) 128522, DOI: 10.1016/j.bmcl.2021.128522, **Impact factor 3.4**

35. Mahesh Meena, Bhanwar K Malviya, Karandeep Singh, Priyanka Yadav, Pankaj Naharwal, Neetu Kumari, Ved Prakash Verma, **Dinesh K Yadav**, Siddharth Sharma, I2/FeCl3 Promoted Cascade Reaction of 4-Quinazolinone, Pyridine, and Chalcone for the Synthesis of Indolizines, ChemistrySelect, **2022**, 7 (21), e202201378, **Impact factor 2.3**

36. Shaily Sharma, Mahesh Meena, Himanshu Sharma, **Dinesh Kumar Yadav**, Atul Tiwari & Ved Prakash Verma, Fe3O4-supported sulfonated graphene oxide as a green and magnetically separable nanocatalyst for synthesis of 2-amino-3-cyano-4H-chromene derivatives and their in-silico studies, **Synthetic Communications**, **2022,** 52, NOS. 19–20, 1926–1955, **Impact factor 1.9**

37. Kuldeep Singh Bhati, Riya Nagar, Bhanwar Kumar Malviya, Monika Shukla, Amanpreet Kaur Jassal, Ved Prakash Verma, **Dinesh Kumar Yadav**, Neetu Kumari, Siddharth Sharma,

Electrochemical Regioselective Sulfenylation of 2H-Indazoles with Thiols in Batch and Continuous Flow, J. Org. Chem., **2022**, 87, 21, 13845–13855, **Impact factor 4.1**

38. Priyanka Roat, Sonal Hada, Bhawna Chechani, Parteek Prasher, Devendra Singh Rawat, **Dinesh Kumar Yadav**, Sanjay Kumar, Neetu Kumari, Isolation and Characterization of Fractionated Cellulose from Madhuca indica, ChemistrySelect, **2023**, 8, 10, e202203248, **Impact factor 2.3**

39. Monika Shukla, Komal Rathi, Mohammad Hassam, **Dinesh Kumar Yadav**, Manvika Karnatak, Varun Rawat, Ved Prakash Verma, An overview on the antimalarial activity of 1,2,4-trioxanes, 1,2,4-trioxolanes and 1,2,4,5-tetraoxanes, Med. Res. Rev. 2023, 1–72. **Impact factor 12.3**

40. Bhawna Chechani, Priyanka Roat, Sonal Hada, **Dinesh Kumar Yadav**, Neetu Kumari, Psidium guajava: An insight into ethnomedicinal uses, phytochemistry, and pharmacology, Comb Chem High Throughput Screen, 2023, Apr 26, doi: 10.2174/1386207326666230426093315, **Impact factor 1.7**

41. Priyanka Roat, Sonal Hada, Bhawna Chechani, **Dinesh Kumar Yadav**, Sanjay Kumar, Neetu Kumari, Madhuca indica: A Review on the Phytochemical and Pharmacological Aspects, Pharm Chem J (2023). https://doi.org/10.1007/s11094-023-02878-1. **Impact factor 0.5**

42. Pankaj Naharwal, Mahesh Meena, Charul Somani, Neetu Kumari and Dinesh Kumar Yadav, Isolation and chemistry of plant pigments, Pigment & Resin Technology, (2023), https://doi.org/10.1108/PRT-03-2023-0029, **Impact factor 1.1**

Participated Symposia/ Conferences and paper presented:

1. "Study of Isoxazoline Analogues of Karanjin as Protein Tyrosine Phosphate 1B Inhibitors" Prasoon Gupta, Dinesh K. Yadav, Amar B. Singh, Akhilesh K. Tamrakar, Aravind K. Srivastava, Rakesh Maurya, *Med. Chem. Res.,* 2007, *15*, 140-141. (Abstract published), and poster presentation in 3rd international symposium *"Current Trends in Drug Discovery Research"* at Central Drug Research Institute Lucknow, India from 17th to 21st, February, 2007.
2. International Herbal Conference "Herbal Medicine-Evaluation of Quality, Efficacy and Safety" at Bangalore, India from 26th to 28st February, 2009, Dinesh K. Yadav.
3. "1st CDRI-NIPER (RBL) Symposium on Medicinal Chemistry and Pharmaceutical Sciences" at Central Drug Research Institute, Lucknow from 24th to 26th March, 2009, Dinesh K. Yadav.
4. "Effect of methoxy-isoflavones in osteoblast function and acquisition of peak bone mass (PBM)" Divya Singh, Biju Bhargawan, Abnish K. Gautam, Manmohan Singh, Amit Kumar, Sumit Chaurasia, Abudul M. Tyagi, Dinesh K. Yadav, Rakesh Maurya and Naibedya Chattopadhyay. Maturitas, 2009, 63, S86, abstract published in *8th Europian congress on menopause at* ***London, U. K.*** *from 16-19 May, 2009*, which was organised by European congress on menopause and andropause society (EMAS).
5. "Contituents of Butea monosperma" Dinesh K. Yadav, Rakesh Maurya, Naibedya Chattopadhyay, *Med. Chem. Res.,* 2010, *19*, S65 (abstract published), and poster presentation in 4th international

symposium "Current Trends in Drug Discovery Research-2010" at Central Drug Research Institute Lucknow, India from 17th to 21st, February, 2010.

6. "Osteogenic activity of naturally occurring daidzein" Dinesh K. Yadav, Rakesh Maurya, Naibedya Chattopadhyay, Abnish K. Gautam, Workshop on Green Chemistry, Education: Necessity of a sustainable Future, 22- 23 March, 2011, Organised by UCOST, at Hemwati Nandan Bahuguna Garhwal University (A Central University), Srinagar, (Garhwal), Uttarakhand.
7. Constituents of Annona squamosa twigs having major immune modifier to elicit polarized Th1 immune response in BALB/c mice ISCBC-2013, Udaipur. Dinesh K. Yadav, Vishal Kumar Soni, Rakesh Maurya, Shailja Mishra Bhattacharya, 19th ISCB International conference (ISCBC-2013) Titled: recent advances and current trends in chemical and biological sciences, 2- 5th March, 2013. Jointly Organised by ISCB, Lucknow and Department of Chemistry MLSU, Udaipur.
8. 1st National Conference on "Emerging Trends in Chemical Sciences and Technologies (ETCST-15)" and Paper presented on "Osteogenic activity of cladrin, a naturally occurring dimethoxydaidzein, in osteopenic rats". Which have been organized by Department of Chemistry, Chaudhary, Devi Lal University, Sirsa, Haryana, on 25.02.2015.
9. 21st ISCB international Conference (ISCB-2015) "Current Trends in Drug Discovery and Developments". This was jointly organized by Indian Society of Chemists & Biologists and Central Drug Research Institute, Lucknow, U. P., India from 25 to 28th February, 2015. Where paper presented on "Alkaloids of Annona squamosa as Anti-ulcer agents"
10. Participated in a National conference on "Frontiers at the Chemistry- Allied Sciences Interface" March 13-14, 2015 (FCASI-2015). This was organised by Centre of Advance Study, Department of Chemistry, University of Rajasthan, Jaipur, Rajasthan (India).
11. National conference on "Recent Trends in Chemical Sciences: Global Opportunities and Challenges", 18-19 January, 2016. Organized by Department of Chemistry, S. G. G., Government College, Banswara, Rajasthan. Deliver a talk on "Butea monosperma: A crude remedy for the treatment of osteoporosis". Also, **Co-Chair** the technical session in the conference.
12. National conference on "Modern trends in Chemical Sciences- 30-31 January, 2016" MLSU, Udaipur. Deliver a talk on "Osteoporosis: Cure by Nature" and also **chair** a technical session.
13. 23rd ISCB international Conference (ISCB-2017) "Interface of Chemical Biology in Drug Research". This was jointly organized by Indian Society of Chemists & Biologists and SRM University, Kattankulathur, Tamil Nadu, India from 8 to 10th February, 2017. Where **poster presented** on "Nonestrogenic Bone Conserving Effect of Medicarpin in Ovariectomized Mice"
13. Delivered an invited talk on "Homemade Herbal Remedy for Osteoporosis: *Butea Monosperma"* in the international conference on "Frontiers at the Chemistry- Allied Sciences Interface" July 22-23, 2017 (FCASI-2017). This was organised by Centre of Advance Study, Department of Chemistry, University of Rajasthan, Jaipur, Rajasthan (India).

14. Participated One day seminar on "Challenges in Teaching and research in Chemistry and Biology" on 23.07.2016. Organized by Indian Society of Chemists and Biologists (ISCB) Local Chapter (West Zone): Udaipur
15. Participated two days seminar on "Scientific and technical Terminology in Environment Science" on 16.09.16 to 17.09.16. Organized by Commission for Scientific and Technical Terminology, Ministry of Human Resource Development, India
16. Participated in National conference and workshop on "Green chemistry: Teaching and Technology" on 20.10.2016. Organized by Department of chemistry, Faculty of Science, Mohanlal Sukhadia University, Udaipur
17. Attended Faculty Development Program on "Promotion of entrepreneurship amongst students" on 20.11.2016 to 03.12.2016. Organized by Entrepreneurship Development Cell, Mohanlal Sukhadia University, Udaipur
18. Poster presented on "Antimalerial Agents as a Gift of Nature" in a national conference from 4.02.2017 to 05.02.2017. Organized by Geetanjali Institute of Pharmacy, Geetanjali University, Udaipur, Rajasthan
19. Participated one-week short **term course** on "Electroanalytical Techniques – An Emerging Tool in Research" on 29.03.2017 to 3.04.2017. Organized by Faculty Development Center, Banasthali Vidhyapith (Deemed University), Tonk, Jaipur, INDIA
20. **National conference** on Computational and Characterization Techniques in Engineering & Sciences (CCTES-2019). Delivered an **invited talk** on "Metal-free graphin oxide promoted a novel multicomponent reaction for the synthesis of 3-subsituted quinazolinones using DMSO as one carbon synthon" September 06-7, 2019 at Department of Applied Science & Humanities, Rajkiya Engineering College, **Ambedkar Nagar, (U.P.),** INDIA. Also **Chaired the technical session-1.**
21. Paper presented on "Antimalerial Agents as a Gift of Nature" in a national conference on 3.11.2019 to 4.11.2019. Organized by PAHER University, Udaipur, Rajasthan. Sponsored by Commission for Scientific and Technical Terminology, Ministry of Human Resource Development, Department of Higher Education, Government of India.
22. Delivered an **oral talk** in an **International Conference** on "Application of traditional knowledge in herbal medicine*"* in the international conference on "Drug Discovery and Development in Agrobiotechnology and Pharmaceutical Sciences" November 23-25, 2019 (29th APSI). Conference organised by SMT. N.M. Padalia Pharmacy College, Ahmedabad (India).
23. Delivered an **Invited talk** in a **National Conference** ("Trends and Innovation in Chemistry (NCTIC-2019)" on "**Green extraction of ayurvedic crude drug having potential bone health promoting agent***"* December 6-7, 2019. Conference organised by RNT PG College, Kapasan, District-Chittorgarh, Rajasthan (India).
24. Presented a paper entitled "Anticancer potential of *Anthocephalous cadamba* fruits" in the 9th International Congress of Society for ethnopharmacology. India (SFEC-2022) at JSS College of Pharmacy, Mysuru, Karnataka, on 22 – 24 April 2022

25. Delivered an oral talk in a "1st international Conference on Recent Advances in Chemical Sciences 2023" (ICACS-2023)" on "*Madhuca indica*: A Revi on its phytochemistry and pharmacology" January 16-18, 2023. Department of Chemistry, Mohanlal Sukhadia University, Udaipur, Rajasthan, India.
26. **Co-chaired** the one technical session in the international conference "Recent Innovations in Biotechnological, Chemical, & Environmental Sciences" held on 15-16 March, 2023 at Mohanlal Sukhadia University, Udaipur, Rajasthan, India, in association with Microbiologists Society of India.

Webinars:

1. Participated in the webinar conducted by Department of Chemistry, MLSU, UDAIPUR on "WHY SCIENCE" delivered by Prof. Gautam R. Desiraju (IISc-Bangluru) on 19-August-2020

Book Chapters:

1. Sonal Hada, Priyanka Roat, Bhawna Chechani, Sanjay Kumar, **Dinesh Kumar Yadav**, Neetu Kumari, An Overview on Biomass of Bamboo as a Source of Bioenergy, In: Kumar N. (eds), **In book: Biotechnology for Biofuels: A Sustainable Green Energy Solution**. Springer, Singapore. https://doi.org/10.1007/978-981-15-3761-5_10, May **2020**
2. Anand Prakash Maurya, Jaspal Chauhan, **Dinesh Kumar Yadav**, Reena Gangwar, Vineet Kumar Maurya, **In book: Preparation of Phytopharmaceuticals for the management of Disorders**, Nutraceuticals and their impact on human health**,** Chapter No.11, **2021, Publisher Elsevier, https://doi.org/10.1016/B978-0-12-820284-5.00011-3**
3. **Dinesh Kumar Yadav**, Hina Mathur, Neetu Kumari, Vinit Kumar Maurya, Mohammad Faheem Khan, Devendra P. Mishra, Development of traditional system of medicine in India, Prospects of Traditional medicine**, In book: Global Environmental Science: Issues and Solutions, 2022, ISBN No. 978-93-91777-61-6, Raj Publishing house, Jaipur, India**
4. Charul Somani, **Dinesh Kumar Yadav**, Mahesh Meena, Neetu Kumari, Gunmala Gugalia, Coronaviruses a pandemic: Symptom, Treatment, Its Influence, Future Challenges Towards the world and India, **In book: Global Environmental Science: Issues and Solutions, 2022, ISBN No. 978-93-91777-61-6, Raj Publishing house, Jaipur, India**
5. **Dinesh Kumar Yadav**, Hina Mathur, Neetu Kumari, Vinit K. Maurya, Mohammad Faheem Khan, Devendra P. Mishra, Alternative system of Medicine: A holistic Approach to Cure Human Being, **In book: Global Environmental Science: Issues and Solutions, 2022, ISBN No. 978-93-91777-61-6, Raj Publishing house, Jaipur, India**
6. Pradeep K. Jaiswal, Munsaf Ali, Siddharth Sharma, **Dinesh Kumar Yadav**, Nitin Kumar Satyadev Upadhyay, Graphene-based Nanocomposite Catalysts: Synthesis, Properties and Applications, **In book: Graphene-based Carbocatalysts: Synthesis, Properties and Applications**, **2023**, DOI: 10.2174/9789815050899123010010

Book Published:

1. Dr. Dinesh Kumar Yadav, published a book on "Natural Products of Butea monosperma Lambert and it's Chemical Synthesis" which is published by LAMBERT Academic Publishing, Germany. 2015, **ISBN No. 978-3-659-74885-1.**

Highlights of the Publications (Up to October 25, 2023)

Total publications:	**42**
Total Impact Factor	**137.1**
Average Impact Factor	**3.2**
Sum of the Times Cited*	**1618**
h-index*	**21**

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