

Higher Education Department, Raipur (Chhattisgarh)

Academic Performance Indicator (API)

Name: MRIGENDRA KUMAR DWIVEDI
(Assistant Professor & Head of Department)

Affiliation- Govt. Nagarjuna PG College of Science
Raipur (C. G.)

Subject: BIOCHEMISTRY

GOOGLE SCHOLAR

123
CITATIONS

Mrigendra Dwivedi • Biochemistry

Academic Qualification

NET	Life Sciences	CSIR- UGC	Jun-2006
Ph. D.	Biochemistry	Rani Durgavati University Jabalpur	awarded 14 June 2013

Teaching Experience

UG- 14 years

PG- 23 Years

1. Research Papers in Peer-Reviewed or UGC listed Journals

S. No	Title of the Research Paper, with Author(s) name. Journal's name year of publication, Volume & Page No.	ISSN Number	UGC Care List / Peer Reviewed
1.	Cardiovascular Disease and Risk Factors . Khan S, Chauhan U K, Dwivedi M K, Tripathi A K and Shukla S (2010) IJBB 6 (3) 377–389.	0973-2691	(Peer Reviewed + UGC Indexed)
2.	Homocysteine and cardiovascular disease (2011) Dwivedi M K, Tripathi AK, Shukla S, Khan S and Chauhan U K (2011) BMBR 5(5)101-107	1538-2273	Peer Reviewed
3.	Genetic factors influencing stroke susceptibility. Dwivedi M K , Tripathi A K, Shukla S, Khan S, Chauhan U K, Indurkar M and Tripathi GERF Bulletin of Biosciences (2011) 2(1):26-32	2229 6433	(Peer Reviewed + UGC Indexed)
4.	Rheumatoid Arthritis: A Complex Gene Environmental Interaction. Dwivedi M K , Khan S and Chauhan U K International Journal of Genetic Engineering and Biotechnology. 2; 1 (2011): 9-21.	0974-3073	Peer Reviewed
5.	Obesity and ectonucleotide pyrophosphatase/phosphodiesterase 1 (ENPP1) polymorphism and their association with pathophysiology diabetes type 2 in Central Indian Population. Arvind K. Tripathi, Smriti Shukla, Mrigendra Kumar Dwivedi, Jitendra Kumar Tripathi, U. K. Chauhan, Samta Shukla, Manoj Indurkar and Sher Singh Parihar. Journal of Diabetes and Endocrinology Vol. 4(2), 2013: 19-26,	2141-2685	Peer Reviewed

6.	Type 2 diabetes in a central Indian population: association with PPARG2 P121A allele but not ENPP1 K121Q. Arvind Kumar Tripathi, Smriti Shukla, Mrigendra Kumar Dwivedi, Jitendra Kumar, Tripathi, Ugam Kumari Chauhan Manoj Indurkar, Shivam Singh Advances in Genomics and Genetics 2013:3 1–9.	1179-9870	Peer Reviewed
7.	The impact of fly ash on photosynthetic activity and medicinal property of plants. MK Dwivedi D Sinha, S Sharma International Journal of Current Microbiology and Applied Sciences. Volume 2 Number 8 (2013) pp. 382-388	2319-7706	(Peer Reviewed + UGC Indexed)
8.	The Role of MTHFR C677T Polymorphism on Blood Homocysteine Concentration and the Effect of Both of this on Susceptibility to Stroke. MK Dwivedi D Sinha Enliven: Journal of Genetic, Molecular And Cellular Biology 2(3) 2015: 1-5	2379-5700	Peer Reviewed
9.	Role of MTHFR 677 C> T Polymorphism on Blood Homocysteine and Susceptibility to Hypertension. MK Dwivedi, D Sinha. International Journal of Human Genetics Volume 17, 2017 - Issue 3: 118-125	0972-3757	Peer Reviewed
10.	The Effect of Physical Activity on Blood Homocysteine Concentration. D Sinha, MK Dwivedi. International Journal of Current Microbiology and Applied Sciences (2017) 6(9): 1206-1210	2319-7706	(Peer Reviewed + UGC Indexed)
11.	Nramp1 (slc11a1) Gene Polymorphisms and Tuberculosis Susceptability. B Das, MS Bini Das, AK Tripathi, MK Dwivedi, S Shukla, UK Chauhan .	2248-9886	Peer Reviewed

	International Journal of Applied Biotechnology and Biochemistry. 3,(1) 2013: 97-109.		
12.	The Association of IL-1 Beta with Pneumonia. MK Dwivedi, Deepak Sinha, Akhilesh Suman . International Journal of Engineering Research & Technology (ISNCESR) Special Issue – 2015. Volume 3, Issue 20: 1-3	2278-0181	Peer Reviewed
13.	Evaluation of Carcinogenic Potential of Surface Adsorbed Hazardous Chemicals on Vegetables and Fruits. Dhananjay Shukla and Atul Tiwari, Mrigendra Kumar Dwivedi. 2021. Research Journal Of Agricultural Sciences. Volume12, Issue 3Pages 01-07	P- ISSN: 0976-1675 E- ISSN: 2249-4538	(Peer Reviewed + UGC Indexed)
14.	Assessment of heavy metals in some traditional cosmetics sold in local market of Raipur. Authors Dr. Beena Sharma and Dr. Mrigendra Kumar Dwivedi Kamna Mishra. 2021. International journal of creative research thoughts. Volume 9, Issue 3,Pages 2418-2422	ISSN: 2320-2882	Peer Reviewed
15.	Prevention and Control of Cardiovascular Diseases by Drinking Water in Low and Middle Income Countries: a Review. Chauhan U K Dwivedi M. K. Khan S salma 2012. Journal of Physiology and Pharmacology Advances. Volume 2, Issue 3, Pages 140-144	ISSN: 2251-7693	Peer Reviewed
16.	Interplay of nutrition and Psychoneuroendocrineimmune modulation: relevance for COVID-19 in BRICS nations. Arundhati Mehta, Yashwant Kumar Ratre, Krishna Sharma, Vivek Kumar Soni, Atul Kumar Tiwari, Rajat Pratap Singh, Mrigendra Kumar Dwivedi, Vikas Chandra, Santosh	https://doi.org/10.3389/fmicb.2021.769884	(Peer Reviewed + UGC Indexed)

	Kumar Prajapati, Dhananjay Shukla, Naveen Kumar Vishvakarma. 2021. Frontiers in Microbiology. Volume 12, Pages 1-23		
17.	A comprehensive review of diagnostic and therapeutic strategies for the management of pancreatic cancer. Vibha Sinha, Sapnita Shinde, Saurabh Saxena, Suresh Thakur, Tamanna Walia, Vineeta Dixit, Atul K Tiwari, Naveen Kumar Vishvakarma, Mrigendra Dwivedi, Dhananjay Shukla. 2020. Critical Reviews™ in Oncogenesis. Volume, 25 Issue 4	ISSN Print: 0893-9675 ISSN Online: 2162-6448	(Peer Reviewed + UGC Indexed)
18.	Immunity boosters in COVID-19: Reality or myth? Vivek Kumar Soni¹, Arundhati Mehta¹, Krishna Sharma², Yashwant Kumar Ratre¹, Mrigendra Dwivedi³, Navaneet Chaturvedi⁴, Dhananjay Shukla¹, Ashwini Kumar Dixit⁵, Alok Kumar Singh, Naveen Kumar Vishvakarma¹, Medicine India, 2022;1;3	ISSN (Online): 2831-7890 doi: 10.25259/ME DINDIA_1_20 21	(Peer Reviewed + UGC Indexed)
19.	The interrelationship between Cd⁺⁺ and Pb²⁺ water pollution and blood pressure in Chhattisgarh region .Mrigendra Kumar Dwivedi , Deepak Sinha and Shailesh Sharma. Asian journal of Chemical and Environmental Research 2012: 5; (3-4)	09743049	(Peer Reviewed + UGC Indexed)

2. Research Publication (other than Research Papers)

(a) Books/ Book Chapters/Edited Book

S.No.	Title of the Book Chapter	Book Title, editor and publisher	Year	ISBN No.
1.	Immuno-modulating Mediators of Colon Cancer as Immuno-therapeutic: Mechanism and Potential	Colon Cancer Diagnosis and Therapy Volume 1 SPRINGER	2021	ISBN 978-3-030-63368-4 ISBN 978-3- 030-63369-1 (eBook) https://doi.org/10.1007/978-3-030-63369-1
2.	Dietary Habits and Global Incidence of Colon Cancer	Colon Cancer Diagnosis and Therapy Volume 2 SPRINGER	2021	ISBN 978-3-030-64667-7 ISBN 978-3-030-64668-4 (eBook) https://doi.org/10.1007/978-3-030-64668-4

3. Creation of ICT mediated Teaching Learning pedagogy and contents and development of new and innovation course and Curricula (Provide link wherever Claimed)

S. No.	Title of curricula and course designed	Name of the Program
1.	Designed new curriculum for UG for NEP 2020.	B. Sc. Biochemistry in Autonomous College.
2.	Designed new Course of Skill enhancement Course in UG for NEP 2020 as chairman of Board of Study of Biochemistry in	B. Sc. Biochemistry in Autonomous College.

	autonomous college.	
3.	Designed new Value added Course in UG for NEP 2020 as chairman of Board of Study of Biochemistry in autonomous college.	B. Sc. Biochemistry in Autonomous College.
4.	Designed new Value added Course Course in PG Biochemistry as chairman of Board of Study of Biochemistry in autonomous college.	M. Sc. Biochemistry in Autonomous College.
5.	Designed new Value added Course in PG Biochemistry as chairman of Board of Study Pt. Ravishankar University	M. Sc. Biochemistry in Pt. Ravishankar University.
6.	Designed new Course based on Indian Knowledge System in PG Biochemistry as chairman of Board of Study Pt. Ravishankar University	M. Sc. Biochemistry in Pt. Ravishankar University.
7.	Designed new curriculum for UG for NEP 2020. As a Single member of Central Board of Study Chattisgarh.	B. Sc. Biochemistry in Chattisgarh.

4. Research Guidance/ Research Projects/ Consultancy Project

S.No.	Student's name	Title of Thesis dissertation	Ph.D./ M.Phil. /P.G.	Year
1.	Mona Chandrakar	Interrelation between Heavy metals and PCOS.	Ph. D.	2023
2.	B. Padmraj Cute	Interrelation between Heavy metals and Sick cell Anemia.	Ph. D.	2023
3.	Komal Lakhwani	Serum Tumor Necrosis Factor Alfa Level and its association with clinical Outcomes in Sick Cell	P.G.	2022

		Disease		
4.	Sweata Shet	Co-relations of parameters mainly Fasting blood sugar, Glycated haemoglobin, Lipid profile and hs-CRP and the study of their association with type -2 diabetes mellitus and the related cardiovascular diseases studies in Central India	P.G.	2022
5.	Khushboo Vaishnav	Effect of hypothyroidism outcome in pregnancy at tertiary hospital	P.G.	2022
6.	Neha Sahu	"Serum interferon gamma level as biomarkers for inflammatory status and it's association with the clinical presentation in sickle cell cases".	P.G.	2022
7.	Mahenoor Siddiqui	Prevalence of thyroid dysfunction in elderly patients visiting a tertiary care centre in central India	P.G.	2022
8.	Sakshi Thakur	Evaluation of phytochemical screening and antioxidant activity of Laurus Nobilis plant extract using fenton reaction in-vitro method	P.G.	2023
9.	Veena Dhritlahre	Determination of Some element in three edible fish species in Karun river.	P.G.	2023
10.	Laxmi Verma	Determination of Sodium, potassium and trace metal contaminant in different edible salts.	P.G.	2023
11.	Priya Devangan	Evaluation of Phytochemical and antimicrobial activity of Lawsonia inarmis extract using different methods.	P.G.	2023
12.	Ritik Thakur	Role of Halophilic microorganism as plant growth promotion of salt stressed Moong bean plant	P.G.	2023

13.	Unnati Sahu	Phytoremediation Potential of Water Lettuce (<i>pistia stratoites</i>) exposed to lead	P.G.	2021
14.	Khushboo Banjare	Analysis of some toxic metals in some branded herbal drugs.	P.G.	2021
15.	Avinash Awadhiya	Investigation of Nicotine Content in different brands of Chewing Tobacco available in local market in Raipur.	P.G.	2021
16.	Payal Mandaye	Bioaccumulation of metal in Brassica Juncea and Trigonella foenumgraecum grown in cadmium Contaminated Soil.	P.G.	2021
17.	Madhuri Sonwani	Determination of selected heavy toxic metals in some herbal cosmetic products of Aloe barbadensis.	P.G.	2021
18.	Kalyani Sahu	Efficacy of fruit peels towards removal of fluoride ions from aqueous solution.	P.G.	2021
19.	Khilesh Gilhare	Investigation of Nicotine content in different brand of Cigarettes available in local market in Raipur.	P.G.	2021
20.	Yamini Sahu	De - fluoridation of water using low cost biosorbant.	P.G.	2021
21.	Karuna Sahu	Bio-sorption of lead ion from synthetic waste using low cost agro waste material.	P.G.	2021
22.	Aparna Mishra	Antimicrobial Activity in plant leaf extraction of (Neem, Lantana Camra, Alestonia Scholaris Apocynaceae)	P.G.	2021
23.	Mona Chandrakar	Determination of heavey metals concentration in some medicinal herbs.	P.G.	2021

24.	Kamna Mishra	Assesment of heavy metals in some traditional cosmetics sold in local market of Raipur.	P.G.	2021
25.	Deepika Zale	Purification and Crystlyzation of histidine mutant of Sortase Streptococcus Sanguinis.	P.G.	2024

(b) Research Project Completed:					
S. No.	Title of the R&D Project	Funding agency	Period	Amount sanctioned in Lakh	Principal Investigator/Co-Investigator
1.	Evaluation of Carcinogenic Potential of Surface Adsorbed Hazardous Chemicals on Vegetables and Fruits	UGC	24 Months (2017-2019)	4.10 lacks	Principal Investigator

6. Invited Lectures/Resource Person/Paper Presentation in Seminars/Conference/Full Paper in Conference Proceeding/ Policy Document Submitted to Body/ Organization/ Government.

International Conference/Seminar (With in Country):				
S. N.	Title of the Lecture/Paper	Invited Lecture/Paper Presentation/Full Paper In the conference proceeding	Title of Conference/ Seminar Organizer	Year/Duration
1.	Contribution of life style Factors in Susceptibility to Diabetes type 2 and	Paper Presentation	MOLMED-2012	International (19-22 February

	Hyperglycemia			2012)
2.	The Association of IL-1 Beta with Pneumonia.	Paper Presentation	Utilization of Non-Conventional Energy Sources For Sustainable Development of Rural Areas	International (21-22 March 2015)

National Conference/Seminar :				
S. N.	Title of the Lecture/Paper	Invited Lecture/Paper Presentation/Full Paper In the conference proceeding	Title of Conference/ Seminar Organizer	Year / Duration
1.	Aloe Vera: A Potent Modulator For Chemoprevention	Paper Presentation	Biological Resources Conservation Management and Sustainable Uses	National (16-17 Nov 2010)
2.	The effect of Physiological activity on Vasotoxins & Neurotoxins	Paper Presentation	Biological Resources Conservation Management and Sustainable Uses	National (13-14 March 2012)
3.	Soft RO water and Cardiovascular Disease	Paper Presentation	Role of New Technologies in conservation of Environment	National (23-24 March 2012)
4.	The Effect of Cd ²⁺ and Pb ²⁺ Water pollution on Blood Pressure in Fishes	Paper Presentation	Chemistry in Our Lives	National (1 st , 2 nd February 2013)

5.	Physical activity and Blood Homocysteine concentration	Paper Presentation	Vimarsh	National (12-13 September 2013)
6.	Heavy metal Toxicity in Arpa River	Paper Presentation	Recent Advances in Meteorology Climatology & Environment	National (25 Oct. 2013)
7.	Association of MTHFR 677T polymorphism to hyperhomocystenimia & Susceptibility to Stroke	Paper Presentation	Integrative Genomics	National (11-12 February 2014)
8.	Capacity- Building Workshop	Resource Person	Laboratory Techniques & Maintenance	(18-20 November 2015)
9.	National Workshop	Resource Person	Animal Cell Culture Techniques & Applications	(18-24 January 2018)

S. N.	Title of the Lecture/Paper	Invited Lecture/Paper Presentation/Full Paper In the conference proceeding
1.	Molecular Biology and Immunology	Invited Lecture (in lecture series)
2.	Lipid Metabolism & Diseases	Invited Lecture (in lecture series)
3.	Molecules of Life	Invited Lecture (in lecture series)
4.	Role of Proteins and Enzymes in metabolic regulation	Invited Lecture (in lecture series)
5.	Immunological Responses	Invited Lecture (in lecture series)
6.	Protein Folding	Invited Lecture (in lecture series)

7.	Nucleic Acid	Invited Lecture (in lecture series)
8.	Biochemistry & Environment	Invited Lecture (in lecture series)
9.	Carbohydrates	Invited Lecture (in lecture series)
10.	Biochemical Definition of Disease	Invited Lecture (in lecture series)
11.	Biochemical Techniques	Invited Lecture (in lecture series)
12.	Carbohydrates	Invited Lecture (in lecture series)
13.	Lipids and Proteins	Invited Lecture (in lecture series)

It is certified that the information provided by me is correct.

Place & Date

Signature and Name of the Candidate