

Hind Institute of Medical Sciences, Safedabad, Barabanki - 225003
List of Publication

Name of Faculty : **Dr. Madhumita Chatterjee**
Designation : **Professor & Head**
Department : **Biochemistry**

Original Research Papers in Indexed National Journals

= **04**

Original Research Papers in Indexed International Journals =

1. National Journals = **04 Original research papers.**

2. International Journal = **Original research papers.**

Sr. No.	Title of Paper	Authors	Name of Journals & ISSN	Year, Vol. No.	Indexing
1	A Simple non-invasive marker of gastro duodenal damage in patients of Dyspepsia : Sucrose permeability,	Madhumita Chatterjee , T K Saha, M M Arora, B L Somani,	Indian Journal of Medical Biochemistry,	Volume 12, No. 2, 2008 Page 17-24	(Index Copernicus)
2	Clinicobiochemical spectrum of Hypokalemia,	Madhumita Chatterjee	India Journal of Medical Biochemistry	Volume 14, No. 1, 2010 Pg 50-55	(Index Copernicus)
3	Clinicopathological profile of non alcoholic Fatty liver disease (NAFLD) and its association with Metabolic Syndrome,	Madhumita Chatterjee	Indian Journal of Medical Biochemistry	Volume 17, No 2, 2013 Pg-20-25	(Index Copernicus)
4	Biochemical and Immunological perspective on Osteoarthritis patients,	Madhumita Chatterjee	Indian Journal of Medical Biochemistry,	Vol. 18, No. 1, 2014 Pg 32-36	(Index Copernicus)

**HIND INSTITUTE OF MEDICAL SCIENCES
SAFEDABAD, BARABANKI
Dr. Vishnu Kumar, Prof. of Biochemistry
LIST OF PUBLICATION - BIOCHEMISTRY**

PUBLICATION TOTAL - 39

A. INTERNATIONAL PUBLICATION 18

1. Saumya Saxenai, Pooja Tripathi Pandey, Vishnu Kumar and Jitendra Kumar Saxena. antidiabetic and antioxidant activities of *nigella sativa* seeds extract in hyperlipidemic rats *ijpsr*. 2020, Volume 11, Issue 9: 4321-4328.
2. Sanjay Bhatt, Kiran Malik and Vishnu Kumar. effects of *allium sativum* on body weight and biochemical parameters in healthy rats *ijpsr*. 2020, Volume 11, Issue 9: 1-7.
3. **Vishnu Kumar**, Arya Desh Deepak, Vishal Prakash Giri and Abhay Kumar. A review on impairment in metabolic pathways due to type 2 diabetes mellitus *IJPSR*. 2020: 11:1089-1097.
4. Rajesh Kumar Singh and **Vishnu Kumar** Hydroalcoholic extract of *ocimum sanctum* regulates lipid metabolism in alloxan induced diabetic rats,
5. Manisha Singh, Eqbal Anwer and **Vishnu Kumar** Assessment of Biochemical parameters in the patients of Coronary Artery Disease with type 2 Diabetes Mellitus *IJPSR*, 2017; Vol. 8(3): 1420-1426.
6. Charu Singh, Rahul Kwatra, Jaya Gupta, **Vishnu Awasthi** and Homnath Dungara. Therapeutic role of Vitamin B12 in Patients of chronic tinnitus: A Pilot Study. *Noise & Health, A Bi-monthly, Inter-disciplinary International Journal*. 2016; 18: 93-97.
7. Brijesh Rathore, Manisha Singh, **Vishnu Kumar**, Aparna Misra. Osteocalcin: an emerging biomarker for bone turn over *International Journal of Research in Medical Sciences* 2016; 4 (9): 3670-3674.
8. Jayanti Neerja, Prabha Verma, **Vishnu Kumar**, Farzana Mahdi, Abbas Ali Mahdi, Ashok Kumar Khanna, Jitendra Kumar Khanna and Raj Kumar Singh Antidiabetic and Antioxidant activity of medicinal plants in rat model of hyperlipidemia *IJPSR*, 2016; Vol. 7(11): 4579-4987.
9. Prabha Verma, Brijesh Rathore, **Vishnu Kumar**, Abbas Ali Mahdi and Raj Kumar Singh *Allium sativum* regulates lipid metabolism in alloxan induced diabetic rats *IJPSR*, 2016; Vol. 7(12): 4949-4955.
10. Prabha Verma, **Vishnu Kumar**, Brijesh Rathore, Raj Kumar Singh and Abbas Ali Mahdi Antidiabetic and antioxidant properties of *Aloe vera* in alloxan induced diabetic rats *IJP*, 2016; Vol. 3(7): 319-324.
11. Prabha Verma, **Vishnu Kumar**, Brijesh Rathore, Raj Kumar Singh and Abbas Ali Mahdi Hypolipidemic activity of *Aloe vera* in hyperlipidemic rats *IJP*, 2016; Vol. 3(4): 196-200.
12. **Vishnu Kumar**, Farzana Mahdi, Ranjana Singh, Abbas Ali Mahdi and Raj Kumar Singh A clinical trial to assess the antidiabetic, antidiabetic and antioxidant activities of *Tinospora cordifolia* in management of type – 2 diabetes mellitus. *International Journal of Pharmaceutical Sciences and Research*. 7 (2); 2016: 757-764. E-ISSN:0975-8232; P-ISSN: 2320-5148
13. **Vishnu Kumar**, Ritu Karoli, Manisha Singh, Aparna Misra and Farzana Mahdi Evaluation of oxidative stress, antioxidant enzymes, lipid and lipoprotein profile in type-2 diabetic patients. *Int J BioAssay*. 4 (10); **2015**: 4365-4368.

14. **Vishnu Kumar**, Deepti Mishra, Pragya Khanna, Ritu Karoli and Farzana Mahdi A review of antioxidant enzymes, oxidative stress, lipid profile and lipoprotein constituent in the patients of coronary artery disease (cad) with type 2 diabetes mellitus (t2dm) int j bioassay. 4 (10); **2015**: 4443-4447.
15. **Vishnu Kumar**, Farzana Mahdi,, Ramesh Chander, Ashok Kumar Khanna, Ranjana Singh, Jitendra Kumar Saxena, Abbas Ali Mehdi and Raj Kumar Singh. *Cassia tora* regulates lipid metabolism in alloxan induced diabetic rats IJPSR 6(8):3484-3489 (**2015**).
16. **Vishnu Kumar**, Farzana Mahdi,, Ramesh Chander, Ashok Kumar Khanna, Ishrat Husain, Ranjana Singh, Jitendra Kumar Saxena Abbas Ali Mehdi, and Raj Kumar Singh. *Tinospora cordifolia* regulates lipid metabolism in alloxan induced diabetic rats, Int. J. Pharm. & Lif. Scie. 4(10): 3010-3017, (**2013**).
17. **Vishnu Kumar**, Sushma Singh, Ashok Kumar Khanna, Mohammad Mubin Khan, Ramesh Chander, Farzana Mahdi, Jitendra Kumar Saxena, Ranjana Singh and Raj Kumar Singh. Hypolipidemic activity of *Anthocephalus indicus* (Kadam) in hyperlipidemic rats. Medicinal Chemistry Research 17; 152-158 (**2008**).
18. **Vishnu Kumar**, Mohammad Mubin Khan, Ashok Kumar Khanna, Ramesh Chander, Farzana Mahdi, Abbas Ali Mahdi, Jitendra Kumar Saxena and Raj Kumar Singh. Lipid Lowering Activity of *Anthocephalus indicus* root in Hyperlipidemic Rats. Evid Based Complement Altern Med. (**2008**), eCAM 2010; 7(3): 317–322.

B. NATIONAL PUBLICATION - 21

(All are in indexed Journals)

1. Eqbal Anwer, **Vishnu Kumar**, Shariq Ahmad, Farzana Mahdi, Sudarshana Gogoi and Zarina Fahreen. Association of Anthropometric measurements with Impairment of Blood Biochemistry Analytes in Obese subjects from different Socio-economic Status. EJMR. 2019;2 (2): 71-77.
2. **Vishnu kumar**, Anchal Trivedi, Aparna Misra, Tanvir Raza Jafri, Farzana Mahdi, Abbas ali Mahdi. Comparative phytochemical investigation, Antioxidant, Anticancer and DNA cleavage activity of different Kadam extracts on cancer and non cancer cell line. EJMR. 2019;2 (2): 39-46.
3. **Vishnu Kumar**, Abdus Salam, Aparna Misra, Tanvir Raza Jafri, Eqbal Anwer, Seema Singh. The prevalence of obesity and overweight amongst students and staff of era's lucknow medical college & hospital lucknow. EJMR. 2018; 5(1):9-16.
4. **Vishnu Kumar**, Sharique Ahmad, Zarina Farheen. A review on sample collection and diurnal variation EJMR. 2019;2 (2):1-6.
5. Seema Singh, **Vishnu Kumar**, Kanchan Singh, Ritu Karoli and Farzana Mahdi Status of TNF- α and insulin in obese and diabetic obese subjects of western Lucknow. EJMR. 2018; 5(1):17-21.
6. **Vishnu Kumar** and Abdussalam. A review on antioxidants and oxidative stress in type-2 diabetes mellitus. EJMR 2017; 4 (2): 47-51.

7. **Vishnu Kumar**, Farzana Mahdi, Jitendra Kumar Saxena, Raj Kumar Singh, Mrinal Ranjan Srivastava and Sharique Ahmad. Effects of natural products on body weight and biochemical parameters in healthy rats. EJMR 2017; 4 (2): 30-37.
8. **Vishnu Kumar**, Farzana Mahdi, Jitendra Kumar Saxena, Raj Kumar Singh, Nasim Akhter and Sharique Ahmad. *Experimental validation of antidiabetic and antioxidant potential of t. cordifolia stems (m.): an indigenous medicinal plant* EJMR 2017; 4 (2): 10-15.
9. **Vishnu Kumar** and Abdussalam. A review on reactive oxygen and nitrogen species EJMR 2017; 4 (2): 40-45.
10. **Vishnu Kumar**. A review on Etiopathogenesis of type-2 diabetes mellitus EJMR 2017; 4 (1): 49-53.
11. **Vishnu Kumar**. Medicinal properties of *Anthocephalus indicus* (Kadam): an indigenous medicinal plant. EJMR 2017; 4 (1): 63-67.
12. **Vishnu Kumar**. Text book of Biochemistry for medical students by: DM Vasudevan & Kannam Vidyanathan EJMR 2017; 4 (2): 57.
13. **Vishnu Kumar**, Ranjana Singh and Raj Kumar Singh. Review on role of herbal remedies on cardiovascular system, A Book Chapter, book of Biomedical Sciences and Herbal Medicines, Published by Discovery Publishing House, Pvt. Ltd. New Delhi. India. 2017.
14. **Vishnu Kumar**, Ranjana Singh, Farzana Mahdi, Abbas Ali Mahdi and Raj Kumar Singh. Experimental validation of antidiabetic and Antioxidant potential of *Cassia tora* (L.): an indigenous medicinal plant, Indian Journal of Clinical Biochemistry 2016; 32 (3): 323-328.
15. Manisha Singh, Ipsita Choudhury, Vasanthi Pallinti, R Jothimalar, **Vishnu Kumar**, Aparna Misra. Association between PRO12ALA polymorphism at the PPAR γ 2 gene and insulin sensitivity in south Indian population with type 2 diabetes mellitus. Indian Journal Basic and applied medical research, 2016; 5(3): 733-741.
16. **Vishnu Kumar**. Antidyslipidemic and antioxidant activities of *tinospora*, *cordifolia* stem extract in alloxan induced diabetic rats Indian Journal of Clinical Biochemistry, 30(4); 2015: 473-478.
17. **Vishnu Kumar Awasthi**, Farzana Mahdi, Ramesh Chander, Ashok Kumar Khanna, Ranjana Singh, Jitendra Kumar Saxena, Abbas Ali Mehdi and Raj Kumar Singh. Hypolipidemic Activity of *Cassia tora* seeds in Hyperlipidemic Rats. Indian journal of Clinical Biochemistry. 2014; DOI:10.1007/s12291-013-0412-2.
18. **Vishnu Kumar**, Farzana Mahdi, Ashok Kumar Khanna, Ranjana Singh, Ramesh Chander, Jitendra Kumar Saxena, Abbas Ali Mehdi and Raj Kumar Singh. Antidyslipidemic and Antioxidant Activities of *Hibiscus rosa sinensis* Root Extract in Alloxan Induced Diabetic Rats. Indian Journal of Clinical Biochemistry, 28(1): 46-50, (2013).
19. **Vishnu Kumar**, Farzana Mahdi, Ramesh Chander, Ashok Kumar Khanna, Jitendra Kumar Saxena, Ranjana Singh Abbas Ali Mehdi and Raj Kumar Singh. Hypolipidemic and antioxidant activity of *Anthocephalus indicus* (Kadam) root extract. Indian Journal of Biochemistry & Biophysics, 47, 104-109, (2010).
20. **Vishnu Kumar**, Ranjana Singh, Sushma Singh, Shivani Pandey Ashok Kumar Khanna, Mohammad Mubin Khan, Ramesh Chander, Farzana Mahdi, Jitendra Kumar Sexana and Raj Kumar Singh.

Hypoglycemic, Lipid lowering and Antioxidant Activity in root extract of *Anthocephalus indicus*. (*A. indicus*) in Alloxan induced diabetic rats. Indian Journal of Clinical Biochemistry. 24 (1): 65-69, (2009).

- 21. Vishnu Kumar**, Pradyumn Singh, Ramesh Chander, Farzana Mahdi, Sushma Singh, Ranjana Singh, Ashok Kumar Khanna, Jitendra Kumar Saxena, Abbas Ali Mehdi, Vinod Kumar Singh and Raj Kumar Singh. Hypolipidemic activity of *Hibiscus rosa sinensis* roots in alloxan induced diabetic rats. Indian Journal of Biochemistry and Biophysics. 46: 507-510 (2009).