

BioData – Dr Karthikeyan P

1. Name and full correspondence address

Dr Karthikeyan P
Assistant Professor
Room no:3037,
Department of Biochemistry
3rd Floor, Teaching Block
All India Institute of Medical Sciences,
New Delhi – 110029

2. Permanent Address:

28 A, Mekkian Ambalam Nagar,
Sengulam east, Solavandhan road,
Tirumangalam, Madurai,
Tamilnadu – 625706.

3. Email(s) and contact number(s)

karthi.dr@gmail.com, karthikeyan_p@aiims.edu, 9868334939, 9953646297

4. Institution: All India Institute of Medical Sciences, New Delhi- 110029

5. Date of Birth: 16.04.1987

6. Gender: Male

7. Whether differently abled: No

8. Academic Qualification (Undergraduate Onwards)

	Degree	Year	Subject	University/Institution	% of marks
1.	MBBS	2010	All Subjects	Kanyakumari Government Medical College	70.75% (3 distinctions)
2.	MD	2015	Biochemistry	Maulana Azad Medical College	N. A
3.	DNB	2016	Biochemistry	National Board of Examinations	N. A
4.	PhD	2022	Biochemistry	AIIMS, New Delhi	N. A

9. Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award.

Title: Role of TET2 protein in pathogenesis of AML

Guide: Dr Subhradip Karmakar

Institute: AIIMS, New Delhi

Year of award: 2022

10. Work experience (in chronological order).

S.No.	Positions held	Name of the Institute	From	To	Pay Scale
1	Junior Resident	Maulana Azad Medical College	19.06.2012	18.06.2015	Pay matrix Level 11
2	Senior Resident	AIIMS, New Delhi	13.08.2015	12.08.2018	Pay matrix Level 11
3	Research Associate II	AIIMS, New Delhi	10.07.2019	18.05.2022	49000 + HRA
4	Assistant Professor	Maulana Azad Medical College	19.05.2022	09.01.2023	Pay matrix Level 11
5	Assistant Professor	AIIMS, New Delhi	10.01.2022	Till date	Pay matrix level 12

11. Professional Recognition/ Award/ Prize/Certificate, Fellowship received by the applicant.

S.No	Name of Award	Awarding Agency	Year
1	FIRST PRIZE in Biochemistry Quiz Competition	Association of Medical Biochemists of India	2014
2	Acknowledgement in Harper illustrated Biochemistry, 31st edition	Victor W. Rodwell	2018

12. Publications (*List of papers published in SCI Journals, in year wise descending order*).

1. Seethy AA*, **Pethusamy K***, Kushwaha T, et al. Alterations of the expression of TET2 and DNA 5-hmC predict poor prognosis in Myelodysplastic Neoplasms. BMC Cancer. 2023;23(1):1035. (contributed equally)
2. Purkayastha K, Dhar R, **Pethusamy K**, et al. The issues and challenges with cancer biomarkers. J Cancer Res Ther. 2023;19(Supplement):S20-S35.
3. Garg P, **Pethusamy K**, Ranjan R. Correlation between Estimated Average Glucose Levels Calculated from HbA1c Values and Random Blood Glucose Levels in a Cohort of Subjects. J Lab Physicians. 2022;15(2):217-223.

4. **Pethusamy K**, Seethy A, Dhar R, et al. Loss of TET2 with reduced genomic 5-hmC is associated with adverse-risk AML. *Leuk Lymphoma*. 2022;63(14):3426-3432.
5. Sahoo OS, **Pethusamy K**, Srivastava TP, et al. The metabolic addiction of cancer stem cells. *Front Oncol*. 2022;12:955892.
6. Chattopadhyay I, Dhar R, **Pethusamy K**, et al. Exploring the Role of Gut Microbiome in Colon Cancer. *Appl Biochem Biotechnol*. 2021;193(6):1780-1799.
7. Dhar R, **Pethusamy K**, Jee B, Karmakar S. Fault Lines in India's COVID-19 Management: Lessons Learned and Future Recommendations. *Risk Manag Healthc Policy*. 2021;14:4379-4392.
8. Dhar R, Seethy A, Singh S, **Pethusamy K** et al. Cancer immunotherapy: Recent advances and challenges. *J Cancer Res Ther*. 2021;17(4):834-844.
9. Seethy A, **Pethusamy K**, Chattopadhyay I, et al. TETology: Epigenetic Mastermind in Action. *Appl Biochem Biotechnol*. 2021;193(6):1701-1726.
10. Seethy AA, Singh S, Mukherjee I, **Karthikeyan P** et al. Potential SARS-CoV-2 interactions with proteins involved in trophoblast functions - An in-silico study. *Placenta*. 2021;103:141-151.
11. Dhar R, Singh S, Mukherjee I, **Karthikeyan P** et al. EMTiness in pseudo-malignant behavior of trophoblasts during embryo implantation. *Front Biosci (Landmark Ed)*. 2021;26(4):717-743.
12. Chakraborty M, Singh P, Dsouza JMP, **Pethusamy K**, Thatkar PV. Fasting and postprandial lipid parameters: A comparative evaluation of cardiovascular risk assessment in prediabetes and diabetes. *J Family Med Prim Care*. 2020;9(1):287-292.
13. Dhar R, **Pethusamy K**, Singh S, et al. Draft genome of *Ompok bimaculatus* (Pabda fish). *BMC Res Notes*. 2019;12(1):825.
14. Dhar R, Seethy A, **Pethusamy K**, et al. De novo assembly of the Indian blue peacock (*Pavo cristatus*) genome using Oxford Nanopore technology and Illumina sequencing. *Gigascience*. 2019;8(5):giz038.

13. Books/Reports/Chapters/General articles etc.

S.No	Title	Author's Name	Publisher	Year of Publication
1	Biochemistry for Undergraduates 1 st edition, Hardcover	Karthikeyan Pethusamy	CBS Publishers	2020
2	Melanin (Encyclopaedia of cognition and animal behaviour)	Karthikeyan Pethusamy, Ruby Dhar, Pinky Garg	Springer Nature	2022
3	Basal Metabolic Rate (Encyclopaedia of cognition and animal behaviour)	Karthikeyan Pethusamy, Anshul Gupta	Springer Nature	2022

4	Creatinine (Encyclopaedia of cognition and animal behaviour)	Karthikeyan Pethusamy, Ankita Raj	Springer Nature	2022
5	Teratogen (Encyclopaedia of cognition and animal behaviour)	Karthikeyan Pethusamy, Maheshwari Kulandhasamy	Springer Nature	2022
6	Ontogeny (Encyclopaedia of cognition and animal behaviour)	Ashikh Seethy, Karthikeyan Pethusamy	Springer Nature	2022
7	Kangaroo Method (Encyclopaedia of cognition and animal behaviour)	Archana Singh, M. Diravyaseelan & Karthikeyan Pethusamy	Springer Nature	2022
8	Allelic Association (Encyclopaedia of cognition and animal behaviour)	Maheshwari Kulandhasamy, Ashutosh Kumar, Karthikeyan Pethusamy	Springer Nature	2022
9	David Attenborough (Encyclopaedia of cognition and animal behaviour)	Karthikeyan Pethusamy, Sai Krishna Bhamidipati & Asutosh Tiwary	Springer Nature	2022