

## CURRICULAM VITAE

**Dr. JYOTI SINGH**

Mobile no – 9582934855  
drjyotisingh12@gmail.com

### QUALIFICATION

- **MBBS** from Lady Hardinge Medical College, New Delhi, 2006 to 2011 under University of Delhi.
- **MD BIOCHEMISTRY** from Lady Hardinge Medical College, New Delhi, 2012 to 2015 under University of Delhi.

### WORK EXPERIENCE

- **Scientist-B (Medical)** at NIP (National Institute of Pathology) - ICMR, New Delhi from August 2022 till date.
- 1 year as **Scientist-B (Medical)** at IJMR (Indian Journal of Medical Research), ICMR Hqrs, New Delhi from Sept 2021 to August 2022.
- 7 months 3 days **Assistant Professor** in Dept of Biochemistry, SAIMS (Sri Aurobindo Institute of Medical Sciences), Indore from Feb 2021 to September 2021.
- 1 year and 6 months **Senior Resident cum tutor** in Dept of Biochemistry, ANIIMS (Andaman and Nicobar Islands Institute of Medical Sciences), Port Blair from August 2019 to Feb 2021.
- 3 years as **Senior Resident** in Biochemistry, LHMC (Lady Hardinge Medical College), New Delhi from May 2016 to May 2019.
- 3 years **MD Biochemistry** at LHMC, New Delhi from June 2012 to May 2015.
- 5 months as **Junior Resident** in Casualty, LHMC, New Delhi from January 2012 to May 2012.

Total teaching experience – 5 years 1 month 4 days

### CERTIFICATIONS

- **Revised Basic Course Workshop and training in Attitude, Ethics and Communication (AETCOM)**- Sri Aurobindo Medical College & PG Institute (MCI Regional centre for Medical Education technologies), Indore, 12<sup>th</sup> to 14<sup>th</sup> July 2021.
- **“Kritajna” -Leadership Development Program – IIM (Indian Institute of Management), Indore**, for Frontline doctors, July to November 2021.
- **“Understanding Hematology”** – Dept of Biochemistry, Medanta – the Medicity, Gurugram, Nov 2021 to Jan 2022.

## RESEARCH EXPERIENCE

- “Association of Vitamin D receptor gene (FokI) polymorphism and Vitamin D status with Insulin Resistance in women with PCOS”, April 2014.
- **Deputed Biochemist and core member of the team of technical experts for Seroprevalence of Anti SARS CoV-2 (COVID-19) IgG Antibody testing of Andaman and Nicobar Islands, 24th August 2020 to 30th September 2020 - an administrative study covering entire Andaman and Nicobar Islands with ~5000 sample size during COVID-19 pandemic.**
- “Leptin Resistance & Role of Leptin in Insulin Resistance in women with PCOS”, 2014.
- “Role of Inhibin in pathogenesis of PCOS”, 2014.
- “Adaptation of Bradford method for measurement of S.Total Protein”, 2020.

## PUBLICATONS

- Thesis publication titled “Association of Vitamin D receptor polymorphism and Vitamin D status with Insulin Resistance in women with PCOS”, April 2014.
- Tilak, Jyoti R., Jain, Anju, Wadhwa, Nishtha, Tilak, H.R. and Ahirwar, Ashok Kumar. "The study of the role of insulin resistance as etiological factor in polycystic ovarian syndrome: a case control study" *Advances in Laboratory Medicine / Avances en Medicina de Laboratorio*, vol. 3, no. 2, 2022, pp. 201-204.
- “Leptin Resistance & Role of Leptin in Insulin Resistance in women with PCOS” (under publication).
- “Association of VDR Gene (FokI) Polymorphism & Vitamin D Levels with Insulin Resistance in Women with PCOS” (under publication).

## CORE SKILLS

- Involved in **undergraduate teaching (MBBS)** and other **medical and para-medical courses** (BDS, BPT, BOT, DMLT etc) in taking Lectures, Practical, Demonstrations, and Tutorials and in conducting their exams.
- **Post-graduate teaching** and conducting their exams.
- Involved in **research** and **academic activities** such as seminars, journal clubs, case studies etc.
- **Administration**, Supervision, quality control (both internal and external) of Clinical Biochemistry Lab, reporting and engagement with the clinicians regarding critical values.
- **Human resource management** as well as overall supervision of Clinical Biochemistry Laboratory.
- **In charge of Endocrinology laboratory, ANIIMS, 2019-2021.**

- **Clinical Biochemistry techniques** such as ISE, Spectrophotometry, Chemiluminescence, Electro-chemiluminescence, ELISA etc.
- Hands on experience on **Molecular Biology Techniques** such as **DNA extraction, Electrophoresis, PCR** (Polymerase Chain Reaction), **RFLP** (Restriction Fragment Length Polymorphism) etc.

#### **AWARDS AND PRIZES**

- **2nd prize** in Poster presentation “Role of Vitamin D levels in Insulin Resistance in women with Polycystic Ovary Syndrome” in AMBI, September 2014.
- **3rd prize** in Poster Presentation “Association of VDR gene (FokI) polymorphism and Vitamin D status with Insulin Resistance in women with Polycystic Ovary Syndrome” in AMBI November 2018.
- **Consolation prize** in Oral presentation “Role of leptin levels in Insulin Resistance in women with Polycystic Ovary Syndrome” in ACBI, March 2015.

#### **RESEARCH PROJECTS/GRANTS**

- Received **ICMR grant** for “Association of Vitamin D receptor polymorphism and Vitamin D status with Insulin Resistance in women with PCOS” in 2013.

#### **PRESENTATIONS**

- **Poster presentation** - Association of Vitamin D receptor gene polymorphism and Vitamin D status with Insulin Resistance in women with PCOS in **International conference** on Reproductive Health with Emphasis on Strategies for Infertility, Assisted Reproductive and Family Planning, January 2017.
- **Poster Presentation** “VDR gene (fok I) polymorphism and Vitamin D status in women with Polycystic Ovary Syndrome” in Lab Physicians: Need of Clinicians - **26th annual conference** of Association of Medical Biochemist of India, November 2018.
- **Poster presentation** “Role of Vitamin D levels in Insulin Resistance in women with Polycystic Ovary Syndrome” in “Metabolic Syndrome & Tumor Markers” - What's the Latest? AMBI, September 2014.
- **Oral presentation** “Role of leptin levels in Insulin Resistance in women with Polycystic Ovary Syndrome” in 4th CME of Clinical Biochemistry 2015 ACBI, March 2015.

#### **INTERNATIONAL & NATIONAL CONFERENCES/ CMEs/ SEMINARS ATTENDED**

- CME on High-Risk Obstetrics - Challenging Situations - Practical Solutions, 2<sup>nd</sup> April 2010.
- CME- Microbial Resistance - No Action Today. No Care Tomorrow on **World Health Day** celebration 2011, 29<sup>th</sup> April 2011.

- Conference – Lipid Association of India, 2013.
- Guest Lecture on PCOS, 2013.
- "Metabolic Syndrome & Tumor Markers" - What's the Latest? Delhi chapter AMBI, 19<sup>th</sup> Sept 2014.
- 4th CME of Clinical Biochemistry 2015 Delhi Chapter ACBI, 20<sup>th</sup> Mar 2015.
- Recent Advances in Cardiovascular Diseases –Delhi Chapter ISAR, 15<sup>th</sup> May 2015.
- Molecular Aspects of Reproductive Health, 12<sup>th</sup> Mar 2016.
- CME cum Public Forum on Diabetes in Pregnancy on occasion of **World Diabetes Day**, 19<sup>th</sup> Nov 2016 – 23<sup>rd</sup> Nov 2016.
- **International conference** on Reproductive Health with Emphasis on Strategies for Infertility, Assisted Reproductive and Family Planning, 23<sup>rd</sup> January – 25<sup>th</sup> January 2017.
- Lab Physicians: Need of Clinicians - **26th annual conference** of Association of Medical Biochemist of India, 16<sup>th</sup> Nov 2018 – 18<sup>th</sup> Nov 2018.
- APFCB Masterclass in Interpretative Commenting Anti-Müllerian Hormone- Asia-Pacific Federation for Clinical Biochemistry and Laboratory Medicine, 28th July, 2021
- **International CME on “Teaching, Learning & Evaluation methods used in CBME”**- Dept of Pharmacology, Gadag Institute of Medical Sciences, Gadag, 7<sup>th</sup> Aug 2021.
- National Virtual Conference & Workshop- DMBIOCON- DEPARTMENT OF BIOCHEMISTRY, Sree Balaji Medical College & Hospital, Chennai, 6<sup>th</sup> & 7<sup>th</sup> Aug, 2021.
- Seminar entitled "**Introduction to Cochrane and Cochrane India Network** "- ICMR hqrs, Aug 22, 2022.

#### **WORKSHOPS ATTENDED**

- Workshop on Best Practices in Phlebotomy & Pre-Analytical Variables, 9<sup>th</sup> Oct 2012.
- Time Management Workshop - as a **member of organizing committee**, 20<sup>th</sup> Mar 2017.

#### **CONFERENCES/CMEs/SEMINARS/WORKSHOPS ORGANISED AS A MEMBER OF ORGANISING COMMITTEE**

- Recent Advances in Cardiovascular Diseases –Delhi Chapter ISAR, 15<sup>th</sup> May 2015.
- “Student Leadership Mission”, Nov 2016 – Mar 2017 – **compèred** and organized multiple events.
- Time Management Workshop, 20<sup>th</sup> Mar 2017 - organized and **delivered a talk**.
- Lab Physicians: Need of Clinicians - **26th annual conference** of Association of Medical Biochemist of India, 16<sup>th</sup> Nov 2018 – 18<sup>th</sup> Nov 2018.

## MEMBERSHIP IN INTERNATIONAL/NATIONAL BODIES

- **ACBI** (Association of Clinical Biochemists of India) Life membership, since 2014
- **AMBI** (Association of Medical Biochemists of India) Life membership, since 2018

## OTHERS

- Participated at **National level** in Lawn Tennis (2001) and Softball (2002,2004)
- Won **Bronze medal** at **State level** in Softball (2002) and Table Tennis (2007).
- At **District level** won **Gold medal** in Handball (2000, 2001, 2002), **Silver Medal** in Volleyball (2000, 2001, 2002).
- Won **Gold medal** at inter-institutional level in Table Tennis (2009, 2010) and Basketball (2009, 2010).
- Participated and successfully completed 10K **Marathon** at Pinkathon (2015) and 7<sup>th</sup> Champions Run (2016).
- Performed **Trekking** at Rishikesh-Neelkanth (**Level-I**) in 2000 and Dalhousie (**Level-II**) 2001.
- Represented school in **Science Fair** at **District level** in 2003.
- Managed Casualties, MLC cases and attended summons in 2012.