



**Name : Dr Indu Khurana**

**Academic Qualifications :**

- **MBBS**, Dec 1977 from PGIMS, Rohtak
- **M.D.(Physiology)**: May 1982 from PGIMS, Rohtak

**.Current Designation :**

- **Professor Emeritus** at SGT University, Budhera, Gurugram

**Past Positions Held :**

- **Dean cum Principal**, World College of Medical Sciences & Research and Hospital, Gurawar, Jhajjar, (10.10.2016 to 31.07.2021)
- **Professor** Deptt of Physiology ,World College of Medical Sciences & Research and Hospital, Gurawar, Jhajjar (01.09.2016 to 31.07.2021)
- **Senior Professor & Head**, Department of physiology PGIMS, Rohtak, (8.12.2009 to 31.08.2016)
- **Faculty** at Deptt of Physiology PGIMS, Rohtak,  
*Professor* (25.12.2007 - 8.12.2009), *Associate Professor* (10.12.1993 - 24.01.2007), *Reader* (10.12.1988 - 09.12.1993), *Lecturer* (10.12.1983 - 9.12.1988) *Demonstrator* (4.7.79 (FN)- 9.12.1983)

**Experience Highlights:**

- More than 42 years of teaching experience in reputed Medical Colleges of India.
- More than 35 years of experience as Postgraduate teacher, guide and examiner.
- Dean Preclinical Sciences Pt .B D Sharma, University of Health Sciences Rohtak.
- Chairperson Postgraduate Board of Studies Pt .B D Sharma, University of Health Sciences Rohtak.
- External Expert for Postgraduate Board of Studies of other universities.

- Subject Expert for selection of faculty in Physiology for various Medical colleges in India.
- Convener for assessment team for granting permission for affiliation of various Medical, Ayurvedic, Pharmacy and Nursing Colleges of Haryana affiliated to Pt B D Sharma University of Health Sciences.
- Member of Court of Pt B.D. Sharma University of Health Sciences Rohtak, (2016-2018).
- Medical Council of India, Assessor and Convener for Granting LOP, Renewal and Recognition of Medical Colleges .
- Medical Council of India, Convener for recognition as well as for permission of start of Post Graduation in Physiology in Medical Colleges of India,
- Examiner, paper setter and thesis assessor for DNB Physiology students
- Supervisor and Co-supervisor for thesis projects of MD,MS,DNB and PHD

## **Research and Publications**

- Discovery of new reflex '**Oculodepressor Reflex**'
- Discovery of **three distinct patterns of Oculorespiratory Reflex.**

***Publications:*** Total 50 (International 10,National & Zonal 40)

### ***Books Authored :***

**1.Text book of Medical Physiology'** published by Elsevier India Private, Limited, New Delhi.1<sup>st</sup> edition 2006 and 2<sup>nd</sup> edition 2015.

**2. Medical Physiology for Undergraduate Students,** published by Elsevier India Pvt Ltd. Gurgaon, Haryana, India.1<sup>st</sup> edition 2012,2<sup>nd</sup> edition 2018.

**3. 'Anatomy and Physiology of the Eye'** published by CBS Publishers and Distributors, Darya Ganj, Delhi.1<sup>st</sup> edition- 1996, 2<sup>nd</sup> edition- 2006, 3<sup>rd</sup> edition 2017

**4. 'Textbook of Human Physiology for Dental Students'** published by Elsevier India Private, Limited, New Delhi.1<sup>st</sup> edition-2007,2<sup>nd</sup> edition – 2013.

5. **‘Essentials of Medical Physiology’** published by Elsevier India Private, Limited, New Delhi 2009.
6. **Textbook of ‘Anatomy and Physiology for Nurses and Allied Health Sciences**, CBS Publishers and Distributor, Darya Ganj, Delhi.1<sup>st</sup> edition 2010, 2<sup>nd</sup> edition 2017.
7. **Textbook of ‘Anatomy and Physiology for Health Professional: CBS Publishers and Distributor, Darya Ganj, Delhi.2010.**
8. **Fundamentals of Anatomy and Physiology for Nursing and Allied Health Sciences’**, published by Oxford University Press. Selangor Darul Ehsan, Malasia in 2010.
9. **‘Practical workbook of Fundamentals of Anatomy and Physiology for Nursing and Allied Health Sciences’**, published by Oxford University Press. Selangor, Darul Ehsan, Malasia 2010.
10. **‘Human Embryology’** published by CBS Publishers and Distributor, Darya Ganj, New Delhi (1<sup>st</sup> edition 2010, 2<sup>nd</sup> edition 2012).
11. **‘Concise Textbook of Physiology’** published by Elsevier India Pvt Ltd. Gurgaon, Haryana, India. 2018.

### ***Chapters Contributed:***

**In Modern System of Ophthalmology Series Published by CBS Publishers and Distributors PVt Ltd, Daryaganj, New Delhi, India.**

1. ***Disorder of Retina and Viterous (2012)*** Chapters on: *‘Anatomy and Physiology ,of Retina’and ‘Development and of Retina*
2. ***Neuro-Ophthalmology(2013)*** Chapters on: *‘Anatomy, Physiology and ‘Pharmacology of Pupil’, ‘Disorders of Pupil’, ‘Anatomy of Visual Pathway and ‘Neurophysiology of Vision’.*
3. ***Principles and Practice of Glaucoma (2014)*** Chapters on:*‘Anatomy and Physiology of Aqueous Humor and Dynamics and Intraocular Pressure’, ‘Anatomy of Optic Nerve Head and Patho-physiology of Glaucomatous damage.*

**4. *Profile and Management of Ocular Trauma (2016)*** Chapters on: '*Trauma to Ocular Motor System*' and '*Trauma to Trigeminal and Facial Nerves*'.

**5. *Disorders of Uvea and Sclera*** chapters on: '*Anatomy and Physiology of Uvea*', '*Embryology and Congenital Disorders of Uvea*' and '*General Immunology*'.

## **Scientific Presentations & Sessions Chaired in National and International Conferences**

- More than 30 presentations as Guest Faculty and Delegate and
- Sessions chaired 20

## **Awards For Contribution In The Field Of Physiology**

- 1. *Life Time National Achievement Award for Excellent contribution for Academic and Research in the field of Physiology***, by Society of Basic and Applied Physiology on the occasion of 4<sup>th</sup> ICONBAP- 2018, held at Haridwar.
- 2. *Life Time Achievement Award for Excellent contribution in the field of Physiology***, on the occasion of 3<sup>rd</sup> Annual Conference of Association of Physiologists of Haryana (PHYSIOCON 2018) held at SGKM, GMC, Nalhar, Haryana.
- 3. *Excellence Award for contribution in the field of physiology***. 1<sup>st</sup> Conference of Association of Physiologists of Haryana (PHYSIOCON 2016) held at PGIMS, Rohtak .
- 4. *Best Poster Award*** “A Study of HRV and mean Ocular Perfusion Pressure in patients with Primary Open Angle Glaucoma”. 3<sup>rd</sup> International Conference of Basic and Applied Physiology held at Ahmedabaad 20<sup>th</sup>- 21<sup>st</sup> Dec 2014.
- 5. *2<sup>nd</sup> Best Poster Award*** for ‘Heart rate variability in generalized anxiety disorders, 1<sup>st</sup> international conference on Basic and Applied Physiology held at B. J. Medical College, Ahmedabad from 22<sup>nd</sup>-23<sup>rd</sup> December 2012’.
- 6. *Best Poster Award*** for ‘Study of Oculodepressor Reflex in Humans’ American Academy of Ophthalmology, Chicago, USA.

7. **Best Poster Award** for ‘Experimental Study of Sensitivity of Extraocular Muscles to Oculocardiac reflex’. NZOS & UTTARA-EYECON, 2010, held at Mussoorie on 22<sup>nd</sup> -24<sup>th</sup> Oct,2010.

### ***Honors***

- Honored with **Award of Top 100 Scientists 2005** by International Biographical Centre, Cambridge, England.
- Appointed as a **member of American Biographical Institute Professional Women’s Advisory Board**,2003.
- Nominated for **World Medal of Honor 2003** by American Biographical Institute (ABI).
- Nominated for **United Convension’s Internal Peace Prize, 2003** by American, Biographical Institute (ABI),2003, USA
- Nominated for **Prestigious Title “Women of The Year-2003’** by American Biographical Institute (ABI), USA.
- . Selected for inclusion of Biography in MARQUIS WHO’s WHO in Science and Engineering, 7<sup>th</sup> Edition (USA),2003-2004
- Nominated for **International WHO’s WHO of Professional and Business Women** of 2002 award, USA.
- Appointed; **Consulting Editor of the Contemporary WHO’s WHO**, in 2002
- Selected for incorporating **Ist Edition of 2000 outstanding scientist of the 21<sup>st</sup> Century award** by International Biographical Centre, Cambridge CB23OP, England

### **Membership of Scientific And Other Bodies**

1. Founder President of Association of Physiologists of Haryana (APOH)
2. Life Member, ‘Association of Physiologists and Pharmacologists of India (APPI).
3. Life Member, ‘Society of Basic and Applied Physiology’.Member ‘Editorial Board, International Journal of Basic and Applied Physiology’.
4. Member ‘scientific Committee’ ‘Review Committee’ and ‘Ethical Committee’ of Medical Faculty of SGT University, Budhera, Gurugram.