

CURRICULUM VITAE



Name: KUSAL K.DAS

Date of Birth: 31.01.1962

Official Designation, Address, Telephone No and email:

Professor, Laboratory of Vascular Physiology & Medicine,
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Academic Attainments:

FRSB (2018) – The Royal Society of Biology, UK
 Ph.D. (1993)- University of Calcutta
 M.Sc. (1985)-University of Calcutta

Career in teaching/research

Teaching:-

Teaches *MBBS, BDS, MBChB (UK), MD, PhD students*

Professor of Physiology, Faculty of Medicine, BLDE University, Vijayapura, Karnataka since 21st June 2013- till this date

Professor of Physiology [2006 – 21st June 2013]- Al Ameen Medical College, Vijayapura, Karnataka, India

Honorary Professor of Physiology, Al Ameen Dental College, Vijayapura, Karnataka [1992-21.06.2013]

Additional Professor of Physiology [1996-2001]- Al Ameen Medical College, Vijayapura, Karnataka

Associate Professor of Physiology [1996-2001]- Al Ameen Medical College, Vijayapura, Karnataka

Assistant Professor of Physiology [1991-1996]- Al Ameen Medical College, Vijayapura, Karnataka

Lecturer in Physiology [1989 –1991] - Al Ameen Medical College, Vijayapura, Karnataka

UGC Junior Research Fellow [1986 – 1989] –Department of Physiology, University of Calcutta

Research:-

Molecular mechanisms of heavy metal toxicities (nickel, lead and hexavalent chromium)

Hypoxia and oxygen sensing gene regulations in rodents

Invention of new method to determine serum vitamin E levels.

Establish a link between ground water arsenic exposure and gold mining activities.

Significant works on arterial stiffness and vascular integrity with interventions

Research on anti-diabetic compounds including preparing curcumin synthetic analogues.

Research on ethical publications and writing book chapter on 'Bioethics'

Visiting Professorship:

Tulane University School of Medicine, New Orleans, USA (2017-2019)

Institute of Cardiovascular and Metabolic Medicine, University of Leeds, UK (2014-2016)

Publications:

Scopus/WOS/PubMed: 95

Book: 4

Book chapter: 7

Citations: 2000

H-Index: 22

Ten Best Papers in Thomson Reuters (SCI) Impact Factor:-

1. Boppana R, Raut SY, Mohan GK, Sa B, Mutalik S, Reddy KR, **Das KK**, Biradar MS, Kulkarni RV. Novel pH-sensitive interpenetrated network polyspheres of polyacrylamide-g-locust bean gum and sodium alginate for intestinal targeting of ketoprofen: *In vitro* and *in vivo* evaluation.. Colloids and Surfaces B: Biointerfaces 2019; <https://doi.org/10.1016/j.colsurfb.2019.04.060> [IMPACT FACTOR; **4.29**]
2. Ugran V, Desai N, Chakraborti D, Masali KA, Mantur P, Kulkarni S, Deshmukh N, Chadchan KS, Das SN, Tanksali AS, Arwika SP, Guggarigoudar SP, Vallabha T, Patil SS, Das KK. Groundwater fluoride contamination and its possible health implications in Indi taluk of Vijayapura District (Karnataka State), India. Environmental Geochemistry and Health 2016; .pp 1-13. DOI: 10.1007/s10653-016-9869-2 [IMPACT FACTOR-**2.616**]
3. Das KK; Razzaghi-Asl N.; Tikare SN, Di Santo R, Costi R; Messori A; Pescatori L; Crucitti GC; Jargar JG; Dhundasi SA; Saso L.(2016) Hypoglycemic activity of curcumin synthetic analogues in alloxan-induced diabetic rats. J Enzyme Inhibition Med Chem ; 31(1):99-105. [IMPACT FACTOR-**4.293**]
4. Patil SG, Aithala MR, Das KK.(2015). Effect of Yoga on Arterial Stiffness in Elderly Subjects with Increased Pulse Pressure: A Randomized Controlled Study. Complement Ther Med.;23(4):562-569.[IMPACT FACTOR-**2.013**]

5. Hattiwale SH, Saha S, Yendigeri SM, Jargar JG, Dhundasi SA, Das KK (2013). Protective effect of L-ascorbic acid on nickel induced pulmonary nitrosative stress in male albino rats. *Biometals*, 26(2), 329-336 [IMPACT FACTOR-**3.203**]
6. Chakraborti D, Rahman MM, Murrill M, Das R, Siddayya, Patil SG, Sarkar A, Dadapeer H J, Yendigeri SM, Ahmed R, Das KK. (2013). Environmental arsenic contamination and its health effects in a historic gold mining area of the Mangalur greenstone belt of Northeastern Karnataka, India. *J Hazard Mater*; 15; 262:1048-55 . [IMPACT FACTOR-**6.065**]
7. Das KK, Das SN, Dhundasi SA.(2008). Nickel, its adverse health effects & oxidative stress.. *Indian J Med Res*; 128(4):412-25. [IMPACT FACTOR-**2.06**]
8. Gupta AD, Das SN, Dhundasi SA, Das KK(2008). Effect of garlic (*Allium sativum*) on heavy metal (nickel II and chromium VI) induced alteration of serum lipid profile in male albino rats.. *Int J Environ Res Public Health* ; 5(3):147-51. [IMPACT FACTOR-**2.063**]
9. Das KK, Gupta AD, Dhundasi SA, Patil AM, Das SN, Ambekar JG.(2007). Protective role of L-ascorbic acid on antioxidant defense system in erythrocytes of albino rats exposed to nickel sulfate.. *Biometals*; 20(2):177-84. [IMPACT FACTOR-**3.203**]
10. Das KK, Dasgupta S.(2002). Effect of nickel sulfate on testicular steroidogenesis in rats during protein restriction.. *Environ Health Perspect*; 110(9):923-6. [IMPACT FACTOR- **9.78**]

Awards / Honors

1. [ISCA Endowment Lecture and G.P.Chatterjee Memorial Award 2019](#) by Indian Science Congress Association, DST, Ministry of Sc.& Tech, Government of India on January 3, 2019
2. [Silver Jubilee Oration](#)- March 6, 2018, KIMS Deemed University, Karad
3. [Fellow of Royal Society of Biology](#)- January 1, 2018 by Royal Society of Biology, UK
4. [Dr.Jajneswar Chakraborty Memorial Oration](#) by Bengal Obstr & Gynecol Society, Kolkata on 8th July 2017
5. [Science, Honor & Truth Medal](#) by High Altitude Pulmonary and Pathology Institute,Zubieta University, La Paz, Bolivia on 8th Oct 2016
6. [S.N.Chaudary Memorial Research Prize](#) by Association of Physiologists of India (JIPMER) on 15th Sep 2016
7. [Dr.Raja Ramanna State Scientist Award](#) by Ministry of Science & Technology, Government of Karnataka on 30th Dec, 2015.
8. [MCRC-Research Lecture 2015](#) by Multidisciplinary Cardiovascular Research Centre, University of Leeds on 31st.July 2015.
9. [Shri Dev Raj Bajaj Research Prize](#) by Association of Physiologists and Pharmacologists of India (2014)
10. [Best Researcher Award -2014](#) by BLDE University at 2nd University convocation (2014).
11. [Dr.C.R.Krishnamurthy Memorial Oration Award](#) by The Indian Association of Biomedical Scientists, India-(2012).
12. [Prof. S.R. Maitra Memorial Oration Award](#) by The Physiological Society of India (2011)
13. [Prof. Shakuntala Dasgupta Memorial Oration Award](#) by The Physiological Society of India (2003)

Mentorship:

PhD – Awarded 16
MD (Physiology) – Awarded 10

Current Government Projects in hand:

- i. **LSRB, DRDO**, Ministry of Defence, Government of India (2014- 2019). Title: “Influence of antioxidant vitamin (L-ascorbic acid) on hypoxia-induced alteration of VEGF gene expression in male diabetic rats with or without exposure to heavy metal nickel”. Vide Sanction letter: No O/o CC R&D(TM)/81/48222/LSRB-XXIX-Meeting/2014 06th August 2014)
- ii. **VGST-K FIST (Level 2)**, (DST, Government of Karnataka (2016-2011). “Effect of L-ascorbic acid and calcium channel blocker on hypoxia exposed possible alteration of cell signaling pathways in respiratory system of male rats with or without heavy metal lead exposure” (VGST-KFIST/1230/2015-16 Dated 22/6/2016.

Peer Assessor:

- (1) National Institutional Ranking Framework (**NIRF**) 2018 and 2019; MHRD, Government of India
- (2) QS (Quacquarelli Symonds) Global Academic Survey- March 2018 & 2019.
- (3) SERB-DST, Government of India for National Postdoctoral Fellowship (N-PDF), 2018
- (4) DST Project - 04; ICMR Project -03; DRDO project- 02
- (4) PhD thesis adjudicator: 43
- (5) MD thesis examiner: 10

Editorial Board Member of National/International journal

1. Editor in Chief; BLDE University Journal of Health Sciences (Wolters Kluwer Pvt Ltd) (www.bldeujournalhs.in)
2. Editorial Member- [Asian Pacific Journal of Tropical Medicine\[Elsevier/China\]](#) since 2008
3. Editorial Member-[Journal of Basic and Clinical Physiology & Pharmacology](#) (de-Gruyter, Berlin, Germany) since 2011 (<http://www.degruyter.com/view/j/jbcpp>)
4. Editorial Adviser: Journal of KIMS University, Karad since 2011 (<http://www.jkimsu.com/editorial-board.html>)
5. International Advisor: International Journal of Clinical & Experimental Physiology, Wolter-Kluwert. Since 2013 (<http://www.ijcep.org/editorialboard.asp>)

2. Member of Learned Societies/Associations / Academies:

1. **Vice President**-The Physiological Society of India (2016-2019),Kolkata
 2. **Member (Education Committee)**: International Union of Physiological Sciences (IUPS)
 3. Associate Member (Life time)- Committee on Publication Ethics, UK
 4. Regular Member- The American Physiological Society (2009-)
 5. Ordinary Member- The Physiological Society, U.K.(2012-)
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