



1. **Staff name** : **Dr. Shyamal Knti Das**
2. **Designation** : Associate Professor
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8. **Academic Qualification** : M.Sc., B.Ed., PhD.
9. **Area of Specialization** : Endocrinology and Reproductive Physiology, Molecular Pharmacology and single fibre technology.
10. **Research Interest** : Endocrinology and Reproductive Physiology, Molecular Pharmacology and single fibre technology.
11. **Publications in Journals** : 47 papers (vide list of publication vide Annexure-I)
12. **Publications in books, chapters etc.** : 4 Books and 1 chapter in Book (list of book publication vide Annexure-II)
13. **Talks/Posters/Papers presented** : 10
14. **Research project** : Vide Annexure-III
15. **Other information** : Soumendra Nath Karmakar has been awarded the **degree of Ph.D** in 2019 under the supervision of Dr. Shyamal Kanti Das.

## Annexure-I

### LIST OF PUBLICATIONS

1. Koley J , Sengupta J.N, Das S.K and Koley B.N. Visceral afferents in the caudal sympathetic and caudal mesenteric nerve of the duck. Indian Journal of Physiology and Pharmacology, 1985. 29(Suppl-1) :68.
2. Koley J , Das S.K and Koley B.N. Visceral afferents on cardio – Vasular Reflexes in domestic duck. Indian Journal of Physiology and pPharmacology, 1986. 30(Suppl-1):53.
3. Koley J, Das S.K and Koley B.N. Changes of Esophageal Motility during head immersion of domestic duck. Indian Journal of Physiology and Pharmacology, 1987. 31(SuPPI-1) : 11.
4. Koley J, Das S.K and Koley B.N. Role of Vagus on Esophageal motility in duck. Indian Journal of Physiology and Allied sciences, 1987. 41:122-128.
5. Das S.K. studies on the mechanism of avoiding convergence of two opposite functions in a single organ of domestic duck. Proceedings of science congress association, 1989.
6. Koley J, Das S.K and Koley B.N. Role of opiate receptors in avoiding convergence of two opposite functions in a single organ of domestic duck. Proceedings of international congress of Physiological sciences ,Helsinki,1989.
7. Koley J, Das S.K and Koley B.N. Visceral receptors in avoiding convergence of two opposite functions in a single organ of domestic duck Indian journal of physiology and allied science , 1989. 43.
8. Koley J, Das S.K and Koley B.N. Opiate receptors in avoiding convergence of two opposite functions in a single organ of domestic duck Indian journal of physiology and allied science, 1989. 44 :26 -31.
9. Koley J, Das S.K and Koley B.N. Role of Visceral receptors in avoiding convergence of two opposite functions in a single organ of domestic duck. Proceedings of Asian and ocean physiological Sciences New Delhi,1990.
10. Koley J, Das S.K and Koley B.N. Abdominal Visceral receptors and their afferents in birds ,proc. Indo-U.S.A. workshop on current approaches for receptor studies in neurobiology held in C.D.R.I.VI.P.15
11. Koley J, Das S.K and Koley B.N. Visceral receptors and their afferents in avoiding convergence of two opposite functions in a single organ of domestic duck.3<sup>rd</sup> IBRO World congress of neuroscience page186.
12. Das S.K and Mukherjee A.K. Effect of norfloxacin on cardiovascular haemodynamics in intact anaesthetized car. Proc.of 80<sup>th</sup>science Congress association held ion Goa, 1993.
13. Koley B.N, Koley J,Sengupta J and Das S.K. Abdominal Visceral receptors their afferents in birds, recent advances in the study of neurotransmitter receptors C.D.R.I, Lucknow, india , 1994. 17:121-130.

14. Das S.K, Koley J and Koley B.N. Mechanism of avoiding overlapping functions in the cloaca of female duck. Proceedings of third congress of FIPS, Calcutta, 2000. P-43.
15. Das S.K, Biswas A, Roy C and Ganluly R. Role of melatonin on reproductive behavior of female rat. Indian Journal of Physiology and allied science, 2008.62(3):87-93.
16. Das S.K. Chemical castration by intratesticular injection of calcium chloride proceedings of international conference on integrative physiology,2009.
17. Das S.K. Chemical castration of male albino rats by calcium chloride, Indian Journal of physiology and allied science,2011. 65(1):25-30.
18. Das S.K and Roy C. The protective role of benincasa hispida on nimesulide induced hepatotoxicity in albino rat model, international journal on green pharmacy, 2011. 5:192-197.
19. Das S.K and Roy C. The protective role of benincasa hispida on diclofenac induced hepatotoxicity in albino rat model, international journal of pharmaceutical research and development, 2011. 3(11):171-179.
20. Das S.K. Diclofenac induced hepatotoxicity in albino rat , journal of Environmental physiology, 2011. 4(1,2):28-33.
21. Das S.K and Roy C. The Protective role of Aegle marmelos on aspirin induced Gastro-duodenal ulceration in albino rat model : a possible involvement of antioxidant, The Saudi journal of Gastroenterology,2012. 18(3) : 188-194.
22. Das S.K, Bhattacharya S and Roy C. Effect of arsenic on male reproductive system in albino rat, state level seminar on advancement of Biological science towards sustainable development, held in Berhampore Girls College, Murshidabad,2012.
23. Das S.K, Roy C and Das R.C. The protective role of morniga olifera on nimesulid induced hepatotoxicity in albino rat model asina journal of natural science and humanities asian journal of natural science and humanities, 2012. II (VIII) : 1-7.
24. Das S.K and Roy C. The protective role high dietary protein on arsenic induced gonadal toxicity, asina journal of natural science and humanities, 2012. III,(III) : 1-5.
25. Das S.K, Bhattacharya S and Roy C. Effect of arsenic on male reproductive system in albino rat, Biological Science towards sustainable development, 2012. 35-40.
26. Das S.K. The protective Role Of High Dietary Protein On Arsenic Induced Hepatotoxicity In Albino Rat Model ; A possible Role Of Antioxidants, IOSR journal of pharmacy and Biological Science, 2013. 6(5):20-25.
27. Roy C and Das S.K. Role of moringa olifera on brain electrical activity in colchicines induced experimental rat model of alzheimer's disease :possible involvement of antioxidants ,international journal of current Pharmaceutical Research, 2013. 5(4): 40-45.
28. Das S.K, Karmakar S.N and Roy C. Green tea leaf extract as a herbal castrative agent on morphological and functional changes in adult male gonads of albino rats, international journal of current Pharmaceutical Research, 2014. 6(3) 22-25.

29. Das S.K and Karmakar S.N. Herbal castration by means of oral administration of green tea leaf extract (*Camellia sinensis* L.) on male reproductive system .world journal of pharmaceutical research, 2015. 4(4):1162-1172.
30. Das S.K and Karmakar S.N. Effect of green tea (*Camellia sinensis* L.) leaf extract on reproductive system of adult male albino rats. International journal of physiology and pharmacology, 2015. 7(4):178-184.
31. Das S.K and Karmakar S.N. Green tea leaf extract as a Herbal castrative agent on male albino rat.Ind. J.Physiol.And allied Sci, 2015. 69(3):69-75.
32. Das S.K and Karmakar S.N. Potential effect of calcium chloride ( $\text{CaCl}_2$ ) as chemical castrative agent on meal albino rat. International journal of Applied biology and pharmaceutical technology, 2016. 7(3):114-120.
33. Das S.K, Karmakar S.N and SinghaRoy D. Efficacy of ascorbic acid as protective substance on sodium fluoride induced reproductive impairment. European journal of bio medical and pharmaceutical sciences, 2016. 3(11):265-271.
34. Das S.K, Karmakar S.N and SingharRoy D. protective role of tri calcium phosphate [ $\text{Ca}_3(\text{PO}_4)_2$ ]against sodium fluoride (NaF) toxicity on reproductive system of male albino rats .international journal of novel trends in pharmaceutical sciences, 2016. 6(6):120-125.
35. Das S.K and Karmakar S.N. Study of reproductive impairment of male albino rat by calcium chloride mediated induction though injection in testis international journal of research on social and natural sciences, 2016. 1(2):89-94.
36. Das S.K and Karmakar S.N. Chemo Sterilization induced by intra testicular injection of calcium chloride ( $\text{CaCl}_2$ ). A tool for population control. International journal of pharmaceutical, chemical and biological sciences, 2017. 7(1):25-35.
37. Das S.K and Karmakar S.N and Ghosh I. Protective role of high dietary protein supplementation against arsenic Induced reproductive toxicity in male albino rat model, World journal of pharmaceutical research, 2017. 6(4):666-677.
38. Das S.K, Roy C and Khatun S. The protective role of vit-C(ascorbic acid) against sodium fluoride (NaF) toxicity on reproductive system of adult male albino rat.6(14)965-976.
39. Das S.K and Karmakar S.N. Effect of intratesticular injection of calcium chloride in male albino rat ,proceedings of international seminar of physicon held in new Delhi, 2017. P-11.
40. Das S.K, Roy C and Mondal S. Modified high dietary protein ameliorates arsenic induced hepatotoxicity inalbino rat model world journal of pharmaceutical research. 7(3): 1343-1355.
41. Das S.K, Karmakar S.N. and Dutta A. Tamarind pulp extract mediated recovery of fluoride induced reproductive toxicity on male albino rat. European Journal of Biomedical and Pharmaceutical sciences, 2019. 6(6): 335-339.

42. Das S.K, Karmakar S.N, and Roy S. Protective action of hydroethanolic extract of *Moringa oleifera* flower on acetaminophen-induced hepatotoxicity in rats. *International Journal of Green Pharmacy*, 2020. 14(1): 98-105.
43. Das S.K, Karmakar S.N, Khatun H and Bhattacharya D. An ergonomics evaluation of posture and other physical and physiological indices of two wheeler garage workers. *International Journal of scientific Research in Biological Sciences*, 2020. 7(3): 92-98.
44. Das S.K and Karmakar S.N. Hepatoprotective effect of *tamarindus indica* l. leaf extract against paracetamol induced hepatotoxicity in albino rats. *International Journal of Modern Pharmaceutical Research*, 2021. 5(4): 365-372.
45. Das S.K, Karmakar S.N and Khatun F. Ergonomics study on work related musculoskeletal disorders and discomfort feeling among bi-cycle garage workers. *International Journal of Applied Research*, 2021. 7(11): 1-7.

## **Annexure-II**

### **BOOK PUBLISHED IN NATIONAL AND INTERNATIONAL LEVEL**

1. Nimesulide induced hepatotoxicity by Lambert Academic Publishers, Germany.
2. Arsenic toxicity by Lambert Academic Publishers, Germany.
3. Morbidity pattern in municipal waste workers in Katwa by Lambert Academic Publishers, Germany.
4. Text book of reproductive Physiology, Chronobiology and social Physiology by Kunal Books, New Delhi-110002, india
5. Das S.K and Karmakar S.N. Influential study of Green Tea Leaf Extracts (*Camellia sinensis* L.) on male reproductive system of Albino Rats. *Current aspects of pharmaceutical research and development*. 2021; vol 4, chap. 9: 95-104.

### **Annexure-III**

#### **PROJECT RECEIVED BY DR. SHYMAL KANTI DAS**

1. Received one UGC minor research project entitled, 'Chemical Castration by Calcium Chloride in rat' no 2009
2. Received one UGC minor research project entitled, 'Effects of some herbal products on rat hemi diaphragm as an alternative to salbutamol' on 2013