

BIO-DATA

1. Name : **Dr. S.K. Pandey**
2. Scale of Pay of Present Post & Present Basic Pay : Rs. 37400-67000
Rs. 59,750/-
3. Designation & Institution : Associate Professor in Zoology
Principal
Feroze Gandhi College,
Rae Bareli-229001 U.P., India
4. Fellowships of Societies : FAEB, FZSC, FBRSA
5. Date of Birth : 1st July, 1956
6. Nationality : Indian
7. Father's Name : Late J.P. Pandey
8. Address for Correspondence : 159, Feroze Gandhi Nagar,
Rae Bareli – 229001, U.P., India
9. Educational Qualification : i) B.Sc. (Bio) 1974
ii) M.Sc. (Zoology) Entomology 1976
iii) Ph.D. Zoology Entomology 1980
iv) Thesis entitled : “Histopathological, Biochemical Phytotoxic and Behavioural effect of Chemosterilant thiourea on *Callosobruchus chinensis* (L.) Bruchidae: Coleptera.”
10. Research, Scholarship/Training Experience : i) U.G.C. Junior Research Fellow, JRF, 1976-1978.
ii) CSIR Senior Research Fellow, SRF, 1978
iii) DS & T (SERC) Visiting Fellowship (1996-97), availed at ITRC (Lucknow) Topic entitled: “Development of Protocol using aquatic insect Chironomous as a test model species which is very much needed for the toxicity evaluation of sediment based pollutants.”
iv) Snehlata Benerji Medal (2006) and citation for outstanding paper in the J. Eco. occup. HLTH. awarded on 23 Dec. 06 By “AEB” at A.P.S. University Rewa

11. (i) Research Specialization (Major Scientific Field of Interest) : i) Entomology, Eco-toxicology
ii) Chemosterilization
iii) Environmental Toxicology
iv) Antifertility
v) Sediment based pollution
- (ii) Research Experience : Years – 39
- (iii) Experience of Guiding : Years – 33
- Research leading to Ph.D. Degree
- iv) No. of Ph.D. students registered : Two – 02
- v) **Ph.D. awarded under Supervision** : **Awarded – 08**
i) Shri V.K. Srivastava (1992)
ii) Km. Mahroj B. Khan (2006)
iii) Km. Prachi Shukla (2005)
iv) Km. Beena Tewari (2007)
v) Km. Madhubala Shukla (2008)
vi) Km. Nazia Kazmi (2008)
vii) Smt. Rashmi Srivastava (2010)
viii) Smt. Mamta Pal (2012)
- vi) Ph.D. likely to be submitted : i) Hena Kausar Siddiqui
ii) Brijesh Kumar Yadav
12. Research Publication
- a) No. of **full papers** : **45**
published
- b) No. of **Abstracts** : i) National – **59**
published ii) International – **11**
- c) **Total Publications** : **115**
- d) No. of papers : 01
communicated
13. No. of Books published :
- a) Edited Book : Water & its Management
- b) Biodata : Asia/Pacific Who's Who?
14. Memberships of Scientific Bodies
- a) Post in Scientific : Holding post of Secretary in “South Asian
body Academy of Environment & Rural
Development”

- b) Life Membership :
- i) Indian Science Congress Association
 - ii) Journal of Advanced Zoology
 - iii) Zoological Society of Calcutta
 - iv) Academy of Environmental Biology
 - v) Entomological Society of Japan Applied Chemistry
 - vii) Society of Toxicology, Philadelphia, USA
 - viii) Member and Expert in Terminology Commission, HRD, New Delhi
- c) Fellow
- i) Zoological Society of Calcutta
 - ii) Academy of Environmental Biology
15. Teaching Experience :
- Since 1980
 - i) Under Graduate Classes : 35 yrs
 - ii) Post Graduate Classes : 35 yrs
16. Talk in Abroad :
- i) Delivered a talk at Harvard University, **BOSTON, USA**, 24 March 2000. Topic entitled: “Antifertility effect on stored grain pest”
 - ii) Delivered a talk at **Pennsylvania University, Philadelphia, USA** 27 March 2000. Topic entitled : Magnetic Control of stored grain pest”
17. Details of Overseas visit in International Conferences :
- 1. **CANADA (1986)**
Invited, attended and presented a Research paper in Sixth International Congress of Pesticide Chemistry held at Ottawa, **Canada in August 1986**
 - 2. **JAPAN (1988)**
Invited and attended – Satellite programme i.e., “**Discussion in Bio technology**” held in Tokyo, **Japan in August and September 1986.**

3. U.S.A. (1986)

Invited and attended Bioreactor Congress at **New York, U.S.A.** through **Ottawa Congress in August, 1986.**

4. JAPAN (1988)

Invited, attended and present a Research Paper in **16th International Congress of Natural Products** held at **Kyoto, Japan, May & June 1988.**

5. FRANCE (1992)

Invited, attended and presented a Research paper in **18th International Congress Chemistry of Natural Products** held at **Strasberg, France, 1992.**

6. U.S.A. (2000)

Invited, attended and presented a Research Paper in **39th Annual Conference of Society of Toxicology** held at **Philadelphia, U.S.A., March 2000.**

Travel Grants were financed by UGC; CSIR; DST, New Delhi, U.P. State Govt. and CSJM Kanpur University.

Research Projects sanctioned, completed and in hand

Sl. No.	Title	Year
1.	Control of stored grain pest through magnetism and chemosterilant U.G.C.F. 25-5 (12589)/82	1982
2.	Control of stored grain pest with effect of thiodiozole as chemosterilant U.G.C.F. No. 8-7(63)/87(SR-II) & IV)	1988
3.	Control of stored grain pest <i>Callosobruchus chinensis</i> (L) (Bruchidae : Coleoptera) by action of trebon (new product) 2-4 ethozphenyl)-2 methyl propyl 3-phenoxy benzyl.	Dec., 1995
4.	Screening of naturally isolated components and their effects on stored grain pest <i>C. chinensis</i> (L.) (Bruchidae : Coleoptera) U.G.C. No. F.3-77/98 (SR-II)	March 1998
5.	Screening of naturally isolated of albino rates U.G.C. No. F. 6-1(97) 2006 (MRP/NRCB)	June 2006

Name of Supervisor	Name of Student Awarded Ph.D.	Place and year of Award
<p>Research Guidance (Give names of students guided successfully)</p> <p>A. Dr. S.K. Pandey, Supervisor, Asso. Professor, P.G. Dept. of Zoology</p>	<p>1. V.K. Srivastava Histopathological Biochemical, Phytotoxic and Behavioural effect of Chemosterilant thiourea on <i>Callosobruchus chinensis</i> (L.) (Bruchidae Coleoptera)</p> <p>2. M.B. Khan Antifertility effect of <i>Clerodendron siphonanthus</i> (R.Br.) extract on <i>Callosobruchus chinensis</i> (L.) (Bruchidae Coleoptera)</p> <p>3. Beena Tewari Efficacy of Azadiractin on reproductive physiology of <i>Callosobruchus chinensis</i> (L.) (Coleoptera-Bruchidae)</p> <p>4. Prachi Shukla Histopathological, Biochemical Phytotoxic and behavioural effect with bio-efficacy of <i>Andrographis paniculata</i> 'nees' on stored grain pest <i>Callosobruchus chinensis</i> (L.) (Coleoptera Bruchidae)</p> <p>5. Madhubala Shukla Antifertility with histopathological effects caused by naturally isolated plant products on female reproductive organs of albino rats.</p> <p>6. Nazia Kazmi Evaluation of naturally isolated plant products with Antifertility effects on male albino rats.</p> <p>7. Rashmi Srivastava Histopathological and Biochemical changes caused by Carbaryl and Quinolphos on chironmus larvae (Diptera : Chronomidate)</p> <p>8. Mamta Pal Effect of <i>Artemisia vulgaris</i> (Linn.) on reproductive organs of <i>Callosobruchus chinensis</i> (L.) Coleoptera : Bruchidae</p>	<p>Department of Zoology, Feroze Gandhi College, (CSJM University), Rae Bareli Sept., 2006</p> <p>2007</p> <p>2005</p> <p>2008</p> <p>2008</p> <p>Feb., 2010</p> <p>Sept., 2012</p>
<p>B. Student Registered for Ph.D. degree</p>	<p>9. Hena Kauser Siddiqui</p> <p>10. Brijesh Kumar Yadav</p>	<p>13.04.2011</p> <p>03.03.2015</p>

List of Publications

“histopathological, Biochemical, Phytotoxic and Behavioural effect of *Chemosterilant Thiourea* on *Callosobruchus chinensis* (Bruchidae : Coleoptera)”

Published Papers :

1. Shukla, G.S. and Pandey, S.K. (1978) : Sexual dimorphism, in *Callosobruchus chinensis* (L.) (Bruchidae : Coleoptera). Ent. News 88:9 & 10 : 265-266, U.S.A.
2. Shukla, G.S. and Pandey, S.K. (1978) : Effect of Chemosterilant (Thiourea) on the oviposition of *Callosobruchus chinensis* (L.) (Bruchidae : Coleoptera). Z. Angew. Zool. 65, 235-242 **GERMANY**.
3. Shukla, G.S. and Pandey, S.K. (1979) : Sterilizing effect of thiourea on the oviposition of adult azuki bean weevil, *C. chinensis* (L.) (Bruchidae : Coleoptera) by injection method. Z. Angew. Ent. 70, 200-203, **GERMANY**.
4. Pandey, S.K.; Rizvi, S.J.H. and Mathur, S. (1980) : 1,3,7-Trimethylxanthin, A new chemosterilant of stored grain pest. *Callosobruchus chinensis* (L.) (Bruchidae : Coleoptera), Z. Angew. Ent. 90, 378, 381, **GERMANY**.
5. Pandey, S.K. and Shukla, G.S. (1986) : Sterilizing effect of thiourea in relation to density of progeny population on *C. chinensis* (L.) (Bruchidae : Coleoptera) through topical application. J. Env. Biol. 7(i), 51-59.
6. Pandey, S.K. and Shukla, G.S. (1984) : Mating competitiveness of sterile male (chemosterilant-thiourea) and normal male in *C.chinensis* (L.) (Bruchidae : Coleoptera). J. Science & Environment, Vol.6, No. (I &II), 7-10.
7. Pandey, S.K.; Shukla, G.S. and Pandey, R.K. (1977) : Effect of pyrethrum on the mid gut of *Aulecophora foveicollis* (Chrysomelidae – Coleoptera). Pyrethrum post, 14(2), 45-46 **KENYA**.
8. Pandey, S.K. and Pandey, R.K. (1981) : The influence of air temperature, fish stocking rate and type of pond on the weight increment of carps (*Labeo rohita* and *Catla catla*) finger lings and fish productivity of north cost carp rearing ponds, Science & Environment, 3-1, 27-31.
9. Pandey, S.K. and Pandey, R.K. (1984) : A study of Phytophagus fish (*Ctenopharyngodon idella*) blood indices during air bladder disease. Proc. Symp. Sci. Tech. Ecot. 110-113.
10. Pandey, S.K. and Pandey, R.K. (1983) : Size variability of ovulated eggs in (Gross carp) *Ctenopharyngodon idella*. J. Adv. Zool. 4(2) : 112-114 (1983).

11. Pandey, S.K. and Pande, R.K. (1982) : Effect of Hypophysectomy and Pituitary extract treatment on some Hematology values of fresh water teleost *Mystus M. vittatus*. Intl. J. Acad. Ichthyol, 3(1) : 7-11.
12. Pandey, S.K. and Pande, R.K. (1984) : Toxicity of Agrochemical NPK to a fresh water fish *Mystus M. vittatus* J. Adv. Zool. 5(2) : 108-113.
13. Pandey, S.K. and Shukla, G.S. (1984) : Susceptibility of Female gonads of *C.chinensis* (L.) to thiourea in relation to their age. J.Adv. Zool. 8(2) : 40-45.
14. Pandey, S.K. and Shukla, G.S. (1987) : Susceptibility of Female gonads of *C.chinensis* (L.) to thiourea in relation to their age. J.Adv.Zool. 8(2) : 40-45.
15. Pandey, S.K. and Pande, R.K. (1988) : Tolerance Measurement and Histopathological observations on the Gill of *Mystus M.vittatus* under the toxic stress on the fertilizer NPK, ACTA Hydro chemica et. Hydro. Biol. 16(5), 551-556. **EAST GERMANY.**
16. Pandey, S.K. and Shukla, G.S. (1987) : Determination of SD₅₀ and LD₅₀ of thiourea for sterilization and mortality of *Callosobruchus chinensis* (L.) (Col : Bruchidae) by topical, dipping and injection method. Zeits fur. Angew. Zool. 343-352/87 (Vol. 74) **GERMANY.**
17. Pandey, S.K. and Pandey, R.K. (1989) : Studies on the Lipid content in the Gonads of *Mystus M.vittatus* under the stress of agro-chemical NPK fertilizer. Acta Hydro. Chemical Hydrobiologica, 17(3), 355-358. **EAST GERMANY.**
18. Pandey, S.K. (1991) : Corrosion through atmospheric pollution (Sulphurdioxide effect on experimental weevil *Callosobruchus chinensis* (L.) (Bruchidae : Coleoptera). Proceed Air and Lts. Management, Vol. 156-60 (1991).
19. Pandey, S.K. Pandey, R.K. & Shukla, G.K. (1991) : Study of acute toxicity and efficacy of chemotherapeutic agent KmnO₄, used in aquaculture when applied to waters of different quality (i.e. pH, temp, hardness, and iron conc.) Water and its Management, Vol. II. 333-338.
20. Pandey, S.K. and Singh, R.B. (1997) : Sterilizing action of Thio-semicarbazide on *Callosobruchus chinensis* (L.) Pose health hazards through infection of stored grains. Human Health and Env. Vol. I 135-144.
21. Pandey, S.K. & Srivastava, V.K. (1997) : Action of 1,3,7 – Trimethylxanthine (Naturally isolated compound) as chemosterilant on Fecundity of *C.chinensis* (L.) (Bruchidae : Coleoptera) through larval feeding. Human health and Env. Vol. I, 153-158.
22. Pandey, S.K. and Pandey, R.K. (1991) : Effect of thiourea through topical application on adaptability to the density by *Callosobruchus chinensis* (L.) (Bruchidae : Coleoptera) through topical application. G. it. Ent. Vol. 5 : 301-304. **ITALIA.**

23. Pandey, S.K. and Pande, R.K. (1991) : Biochemical, Histopathological study with cheosterilant Thiourea on *C.maculates* (Bruchidae : Coleoptera). Z. Ange. Zool. 65 : 30-38. **GERMANY.**
24. Pandey, S.K. and Singh, R.B. (1992) : "Towards the elimination of the reproductive capacity (Oviposition) in adult Female of *C.chinensis* (L.) (Bruchidae : Coleoptera) after topical treatment of chemosterilant". Behl. Toxicology and Eng. Manag. Vol. 18, (1) 123-130.
25. Pandey, S.K. and Singh, R.B. (1992) : "Towards the elimination of the reproductive capacity (Oviposition) in adult Female of *C. chinensis* (L.) (Bruchidae : Coleoptera) after topical treatment of chemosterilant". Behl. Toxicology and Env. Manag. Vol. 18, (i) 123-130.
26. Pandey, S.K. and Singh, R.B. (1993) : Reproductive, Physiological arrest by topical application due to progeny and density population through thiosemicarbazide on *C.chinensis* (L.) (Bruchidae : Coleoptera). NESAs, Symp. Env. Manag., Vol. 4, 96-103. **BHUBNESHWAR.**
27. Pandey, S.K. and Khan, M.B. (1998) : Inhibitory effect of biopesticide on development of pulse weevil, *Callosobruchus chinensis* (L.) on lentil, *Lentis esculentis* through injection method. J.Adv. Zool. Vol. 19, (2) 94-98.
28. Pandey, S.K. and Khan, M.B. (1998) : Antifertility effect of *Clerodendron siphonanthus* leaf extract in female pulse beetle *Callosobruchus chinensis* (L.) (Bruchidae : Coleoptera). J. Prop. Zool. Soc. Vol. 51(2). 111-115.
29. Pandey, S.K. and Khan, M.B. (1999) : Screening and isolation of leaf extract of *Clerodendron siphonanthus* and their effect on *C.chinensis* (L.) (Bruchidae : Coleoptera) through injection method. Ind. J. Toxicol. Col. 6(2) 57-65.
30. Pandey, S.K. and Khan, M.B. (2000) : Effect of *Clerodendron siphonanthus* leaf extract on the adaptability by *C.chinensis* (L.) (Coleoptera : Bruchidae) to this own population density through dipping method. Indian J. Ent. 62 (2) 2000 (133-140).
31. Pandey, S.K. and Khan, M.B. (2000) : Inhibition of density of progeny population in *C.chinensis* (L.) (Coleoptera : Bruchidae : Coleoptera) by ethanol leaf extract of *Clerodendron siphonanthus*. Prop. Acad. Env. boil. Vol. (9), No. 1, 55-63.
32. Pandey, S.K. and Khan, M.B. (2000) : Bioefficacy of *Clerodendron siphonanthus* leaf extract in relation to density of progeny population in *Callosobruchus chinensis* (L.) (Bruchidae : Coleoptera) through topical method. Pro. Acad. Env. Biol. Vol. (9), No. 1, 36-45.
33. Pandey, S.K. and Khan M.B. (2000) : Determination of AD50 and LD50 of *Clerodendron siphonanthus* leaf extract for antifertility and mortality of *C.chinensis* (L.) by topical, dipping and injection method. J. Toxicology USA. 2(1) No 2, 301-306.

34. Pandey, S.K. and Prachi Shukla (2004) : Antifertility effect of biopesticides *Andrographis paniculata* (nees) on fecundity of *Callosobruchus chinensis* (L) (Bruchidae). J Eco. Phy. Occup. Hlth., Vol. 5, 19-24, 2004
35. Pandey, S.K. and Nazia Kazmi (2004) : Antifertility effects of crude extract of *Clerodendron siphonanthus* (R. Br.) on reproductive organs of male albino rats (*Rattus rattus*) J. Eco. Phy. Occup. Hlth., Vol. 5, 9-17, 2004
36. Pandey, S.K. and Rashmi Srivastava (2006) : Effect of quinolphos on *Chironomus Larvae* (Chironomidae). J. Adv. Zool. 27(I) : 13-15
37. Pandey, S.K. and Nazia Kazmi (2006) : Antifertility studies of *Andrographis paniculata* (Nees) with whole plant extract in male ablinorats Proc. Zool. Soc, Calcutta, 59 (2) : 169-77
38. Pandey, S.K. and Kazmi Nazia (2007) : Antifertility in male albino rats (*Rattus rattus*) by *Coffea arabica* (Linn). J Appl. Biosci, 33 (2) : 126-132.
39. Pandey, S.K. and Srivastava, Rashmi (2007) : Effect of Carbaryl on *Chironomus Larvae* (Chironomidae) Indian Journal of Entomology 69 (4) : 400-403
40. Pandey, S.K. and Shukla, M.B. (2007) : Anti-implantation, Body weight want Genital organ weight with effects of plant product extracts on Albino Rats. J. Adv. Zool., 28 (2) : 96-106.
41. Pandey, S.K. and Shukla Madhubala (2008) : Antifertility with histopathological effect of *Clerodendron siphonanthus* (R.Br.) on the organs of female albino rats. J. Ecophysiol. Occup. Hlth., 8 : 99-105.
42. Pandey, S.K. and Shukla, Madhubala (2008) : Antifertility effect of Plant products on oestrous cycle of female albinorats. J. Adv. Zool., 29 (2) : 103-108.
43. Pandey, S.K. and Nazia Kazmi (2009) : Comparative histopathological studies for the effect of *A. paniculata* (nees) and *Coffea arabica* on reproductive organ of male albino rats. Vol. 2, 273-278. J. Eco. Physiol. H. Hlth., Vol. 2, 273-278.
44. Pandey, S.K. and Mamta Pal (2011) : Effect of *Artemisia vulgaris* isolated extract and determination of AD50 and LD50 *Callosobruchus chinensis* (L.) J. Eco. Physiol. occupl. Hlth., 11 (2011) 101-106.
45. Pandey, S.K. and Madhubala Shukla (2011) : Effect of *Azadiracta indica* (A.Juss) on the histoarchitecture of the uterus of female albino rats (*Rattus rattus norvegicus*).
46. Pandey, S.K. and Tunira Bhadauria (2015) : Impact of land degradation and subsequent rehabilitation of degraded ecosystems on abundance and diversity of earthworms in Garhwal Himalayas. Accepted in Proceedings of National Seminar.

The following Workshop, Conference/Seminar, Symposia/Workshop were attended:

International

1. Pandey, S.K. (1985) : Sterilizing effect of thiourea in relation to Density and progeny population on *C. chinensis* (Bruchidae : Coleoptera) through Dipping method. XI International AMSE Conference Modelling and Simulation at Gorakhpur held in December 27, 1985.
2. Pandey, S.K. (1986) : Biochemical estimation of total protein, lipid and histopathological observation of chemosterilizing effect of Thiourea on *C. maculatus* (Bruchidae : Coleoptera) "6th International Congress of Pesticide chemistry" Abs. No. 3A-39 Aug. 1986 at Ottawa, CANADA.
3. Pandey, S.K. (1988) : Effect of 1,3,7- Trimethylxanthine (Naturally isolated compound) on adaptability to the Density on *C. chinensis* (L.) (Bruchidae : Coleoptera) through dipping application. Abs. No. P.C. 58 "16th International Symposium on the chemistry of natural products (IUPAC) 1988, Kyoto, **JAPAN**.
4. Pandey, S.K. (1990) : Sterilizing effect of Thiourea on adaptability to the density on *Callosobruchus chinensis* (Bruchidae : Coleoptera) through Injection Method. Abstract. No. (CP-235) in 17th IUPAC International Symposium on the chemistry of Natural Products, New Delhi, INDIA Feb. 4-9, 1990.
5. Pandey, S.K. (1991) : Corrosion through atmospheric pollution. Abs. No. 1-9; SAARC, Count. Conf. Env. Manag. Dev. Count., Raebareli, India. Feb. 23, 1991.
6. Pandey, S.K. and Pande, R.K. (1991): Study of acute toxicity and efficacy of chemotherapeutic agent KMNO₄, used in aquaculture when applied to waters of different quality (i.e. pH, Temp. Hardness and iron conc.), Abs. No.W-63, SAARC. Count Conf. Env. Manag. Dev. Count., **INDIA**, Feb. 23, 1991.
7. Pandey, S.K. and Singh, R.B. (1991) : Sterilizing action of Thio-semicarbazide on *C. chinensis* (L.), posed health hazards through infestation of stored grains-azuki bean. Advs. No. H-28; SAARC Count. Conf. Env. Manage. Dev. Count ; **INDIA**, Feb. 23, 1991.
8. Pandey, S.K. and Srivastava, V.K. (1991) : Action of 1,3,7- Trimethylxanthine (Naturally isolated compound) as chemosterilant on fecundity of *C. chinensis* (L.) (Bruchidae : Coleoptera) through larval feeding. Abs. No. H-35; SAARC. Count. Conf. Env. Manag. Dev. Court; **INDIA**, Feb. 23, 1991.
9. Pandey, S.K. and Singh, R.B. (1991) : Towards the elimination of the reproductive capacity (oviposition) in adult female of *C. chinensis* (L.) (Bruchidae : Coleoptera) after topical treatment of Chemosterilant." Abs. No 25-18P, 2nd Asian Conf. on Beh. Tox. Env. Manag. **INDIA** 19th Jan. (1992).
10. Pandey, S.K. and Srivastava, V.K. (1992) : Elimination of the Reproductive capacity of the Adult Female of *C. chinensis* produced by 1,3,7-trimethylxanthine (Naturally isolated compound). 18th Intel. Symp. On chemistry of Natural product." Strasburg, FRANCE Abs. No. B-68, Page 110, Sept. 1992.
11. Pandey, S.K. and Khan, M.B. (2000) : Determination of AD₅₀ and LD₅₀ of *Clerodendron siphonanathus* leaf extract for anti-fertility and mortality of *C. chiensis* (L.) by topical, dipping and injection method. 39th Annual Conference of Soc. of Toxicol. Abs. No. 809, 18th 23rd March 2000, **PHILADELPHIA**, U.S.A.

National

1. Pandey, S.K. and Shukla, G.S. (1978) : Effect of chemosterilant (thiourea) on the oviposition of *C. chinensis* (L.) (Bruchidae : Coleoptera) 65th Ind. Sc. Cong. Abs. No. 79, 1978.
2. Pandey, S.K. and Pande, R.K. (1977) : The size viability of ovulated eggs in (Gross Carp) *Ctenopharyngodon idealla* (Val.) 46th Nat. Acad. Sci. Abs. No. 70, 1978.
3. Pandey, S.K., Pande, R.K. and Shukla, G.S. (1978) : Histological effect of Pyrethrum on the mid gut of *Aulacophora fovicollis* (Chrysomellidae : Coleoptera) 48th Nat. Acad. Sci. Abs. No. 151, 1978.
4. Pandey, S.K. and Pande, R.K. (1978) : A study of phytophagous fish (*Ctenophryngodon idella*) blood indices during the air bladder disease. 48th Nat. Acad. Sci. Abs. No. 170, 1978.
5. Pandey, S.K. and Shukla, G.S. (1978) : Effect of chemosterilant (Thiourea) on mating analysis of *Callosobruchus chinensis* (L.) (Bruchidae : Coleoptera), 47th Nat. Acad. Sci. Abs. No. 84, 1978.
6. Pandey, S.K. and Shukla, G.S. (1979) : Sterilizing effect of Thiourea on Female gonads of *Callosobruchus chinensis* (L.) (Bruchidae : Coleoptera) in relation to their age, 2nd Symp. on Life Science Abs. No. 34, 1979.
7. Pandey, S.K. and Shukla, G.S. (1979) : Thiourea (Chemosterilant) effect of *Callosobruchus chinensis* (L.) (Bruchidae : Coleoptera) in relation to density and progeny population. Nat. Acad. of Sci. Abs. No. 67, 1979.
8. Pandey, S.K. and Shukla, G.S. (1980) : Mating competitiveness of sterile male (Chemosterilant Thiourea) and normal male *C.chinensis* (L.) (Bruchidae : Coleoptera) 67th Ind. Sci. Cong. Abs. No. 215, 1980.
9. Pandey, S.K. and Shukla, G.S. (1980) : Sterilizing effect of thiourea on the oviposition of *C.chinensis* L.) (Bruchidae : Coleoptera) through injection method. 67th Ind. Sci. Cong. Abs. No. 220, 1980.
10. Pandey, S.K. (1980) : Histopathological observation of chemosterilizing effect of thiourea of female adults of azuki bean weevil *Callosobruchus chinensis* (L.) Symp. Sci. Techno. & Eco. Abs. No. 36, 1980.
11. Pandey, S.K. (1983) : Determination of LD50 and SD50 of thiourea for sterilization and mortality of *C.chinensis* (L.) by topical and injection method. 70th Ind. Sci. Cong. Abs. No. 271, 1983.
12. Pandey, S.K. (1984) : Biochemical estimation of total protein and lipid in *Callosobruchus chinensis* (L.) and in *Lens esculentis* (Phytotoxic) with effect of chemosterilant thiourea. 7th
13. Pandey, S.K. and Pande, R.K. (1985) : Seasonal fluctuation in Glucose and lactic acid content of testes and ovary in relation to annual sexual cycle in *Mystus M. vittatus* (Block) under the stress of agro-chemical NPK. 72nd (1985) Ind. Cng. Abs. 280.

14. Pandey, S.K. (1985) : Susceptibility of male Gonad of fresh water teleosts. The Cat fish *Mystus M.vittatus* (BI.) to tepa, an insect chemosterilant. "NATIONAL SYMPOSIUM ON INDUSTRIAL POLLUTION AND PESTICIDES IN CONTEXT OF BHOPAL TRAGEDY" held in Gorakhpur, December 3, 1985.
15. Pandey, S.K. (1986) : magnetic effect on the oviposition hatching and adult emergence of *C.chinensis* (L.) (Bruchidae : Coleoptera), Abstract, 73rd Indl. Sci. Cong. Held in New Delhi.
16. Pandey, S.K. (1987) : Histopathological & Biochemical effect of Magnet on *C. chinensis* (L.) (Bruchidae : Coleoptera). Late. Abs.No.3, 74th Ind. Sci. Cong. Held at Bangalore, 1987.
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