

## BIO-DATA



1. **Name** Dr. Devinder Singh
2. **Designation** Professor (Retired)  
Now working as Professor in Zoology and Pro Vice Chancellor  
Chandigarh University, Gharuan-140413, Mohali (Punjab)
3. **Department** Zoology and Environmental Sciences
4. **Date of Birth** 16.6.1961
5. **Address for correspondence** #468, Urban Estate Phase I, Patiala-147 002
- Mobile** +91-9815796591+91-8146996591
- E-mail** devinder.ss.61@gmail.com
6. **Areas of Specialisation** Entomology (Systematics, Molecular and Forensics)
7. **Academic Qualifications:**

Sr. no.	Degree Held	Year	Board/Univ./ Inst.	% of marks	Div./ Rank	Subjects Taken
1	Matric	1976	PSEB Chandigarh	66.9	1 <sup>st</sup>	Science Group
2	B.Sc.(Medical)	1980	Punjabi University, Patiala	64.6	1 <sup>st</sup>	Zoology, Botany, Chemistry, Punjabi
3	M.Sc.(Zoology)	1982	--do--	70.7	1 <sup>st</sup>	Specialization in Entomology
4	M.Phil. (Entomology)	1984	--do--	A-Grade 5.251	N.A	Specialization in Entomology
5	Ph.D.(Entomology)	1986	--do--	N.A	N.A.	N.A
6	PG-Diploma in Ecology & Environment	1990	Indian Institute of Ecology and Environment	70.7	1 <sup>st</sup>	Ecology and Environment 10 Papers
7	Post-doctoral fellowship	1992-1993	UIC, Chicago, USA	N.A	N.A	N.A

### 8. Membership of Professional Bodies/Organisations

1. Forensic Entomology Online List Life member
2. Indian Science Congress Association Life member
3. National Academy of Vectors and Vector Borne Diseases Life member

- |  |                |
|--|----------------|
| 4. Punjab Academy of Sciences                    | Life member    |
| 5. Indian Academy of Forensic Sciences           | Member         |
| 6. Uttar Pradesh Zoological Society              | Member         |
| 7. Association for advancement of Insect Science | Member         |
| 8. Entomological Society of India                | Member         |
| 9. Association of Entomologists                  | Founder Patron |

**10. Medals/Awards/Honours/Received**

- i) Merit scholarship in M.Sc. Zoology
- ii) Govt. of India postdoctoral fellowship for research at the University of Illinois at Chicago, U.S.A. (1992-93)
- iii) Dr. T.N. Ananthakrishnan Oration Award by Defence, Defence Research and Development Organization, Govt. of India (2013)

**11. Details of Experience:**

S. No.	Name of the Inst./Employer	Position Held	Duration	Major Job Responsibilities and Nature of Experience
1.	Punjabi University, Patiala	Lecturer	July, 1987 to July, 1992	Teaching & Research
2.	-do-	Sr. Lecturer	July, 1992 to July, 1998	Teaching & Research
3.	-do-	Reader	July, 1998 to July, 2006	Teaching & Research
4.	-do-	Professor	July, 2006 to June, 2021	Teaching & Research
5.	Chandigarh University, Gharuan	Professor	January, 2022 onwards	Teaching, Research and Administration

**12. Published Work (Please specify numbers only):**

a.	Research Papers	i) National	165
		ii) International	48
b.	Conference/Seminar Presentation		66
c.	Books	i) Edited	1
d.	General Articles	i) English	4
		ii) Punjabi	13

12a.	<b>Number of citations</b>	1077
12b.	<b>H Index</b>	14
12c.	<b>i10 Index</b>	22

### **13. R & D Projects**

1. Taxonomic Revision of the Family Tenthredinidae (Hymenoptera, Symphyta) from India  
Funded by : ICAR & USPL - 480  
Duration : 1991-1996
2. Taxonomic studies on Calliphoridae (Insects, Diptera) from Punjab & surrounding areas.  
Funded by : Punjabi University, Patiala  
Duration : 1995-1997
3. Studies on the insect fauna of carrion and its Forensic Applications.  
Funded by : DST, New Delhi  
Duration : 1998- 2001
4. Study of biodiversity of Hymenoptera in the Shivalik ecosystem of Punjab.  
Funded by : DOE, New Delhi & PSCST, Chandigarh  
Duration : 1999- 2003
5. All India Coordinated project on Taxonomy- Research on Micro Lepidoptera.  
Funded by : MoEF, New Delhi  
Duration : 2000-2008
6. Cytological and morphotaxonomic studies on terrestrial heteropteran fauna (Insecta, Hemiptera, Heteroptera) of Punjab  
Funded by : DST, New Delhi  
Duration : 2007- 2010
7. Database for DNA based identification of economically important insects along with observations on the genetic effect of exposure to insecticides  
Funded by : DBT, New Delhi  
Duration : 2012- 2017
8. Insect diversity in the Indian Himalayan region (SAP-DRS)  
Funded by : UGC, New Delhi  
Duration : 2013- 2018

### **14. Invited Talks/Articles**

- i) Resource person for several refresher courses arranged by different Universities.
- ii) Invited talks in several national conferences

**15. Ph.D. students guided/under guidance (Details)**

<b>S. No.</b>	<b>Name of the Student</b>	<b>Title of Thesis</b>	<b>Year of Completion</b>
1.	Mr. Jagdeep Singh	Taxonomic revision of subfamily Allantinae (Tenthredinidae : Hymenoptera) from India	1990
2.	Mr. Sanjiv Kumar	Taxonomic revision of genus <i>Pachyprotasis</i> Hartig (Tenthredinidae: Hymenoptera) from the Oriental region.	1990
3.	Mr. Amrinder Singh	Taxonomic revision of families Argidae, Cimbicidae and Diprionidae (Hymenoptera : Symphyta) from India	1991
4.	Ms. Meenakshi Malhotra	Studies on the insect fauna of decaying rabbit carcasses	2001
5.	Mr. Inderpal Singh Sidhu	Taxonomic studies on the family Calliphoridae (Diptera : Cyclorrhapha) from north-west India.	2002
6.	Ms. Navpreet Kaur	Risk assessment of air borne biological pollutants to human health in Punjab with particular reference to dust mites.	2003
7.	Ms. Sapna	Mitochondrial DNA typing for identification of some species of blow flies (Diptera : Calliphoridae)	2007
8.	Mr. V.K. Singh	Taxonomy and zoogeography of Indian Coccinellidae : Coleoptera sans Coccinellinae	2007
9.	Mrs. Parminder Kaur	Studies on comparative account and significance of external genitalia in some Indian hawk moths (Lepidoptera : Sphingidae)	2009
10.	Mr. Amandeep Singh	Studies on the incidence of myiasis among domestic mammals in the state of Punjab	2009
11.	Ms. Garima Aggarwal	Analysis of mitochondrial DNA from different human tissues for individual characterization with particular reference to heteroplasmy	2010
12.	Ms. Madhu Bala	Studies on two species of blow flies (Diptera: Calliphoridae) with particular reference to their forensic importance	2011
13.	Ms. Rashmi Gupta	Taxonomic studies on Lygaeidae and Coreidae (Hemiptera:Heteroptera) from north India supplemented with RAPD markers	2012

14.	Ms. Ravneet Kaur	Taxonomic studies on Pentatomidae (Hemiptera:Heteroptera) from north India supplemented with RAPD markers	2013
15.	Mr. Manish Kumar	Importance of mitochondrial DNA for the identification and phylogenetic analysis of some species of flesh flies (Diptera: Sarcophagidae)	2013
16.	Ms. Kanika Singla	Toxicological studies on Chloropyriphos on various enzymes of albino rat and role of some plant extracts as antidotes	2013
17.	Ms. Neetu Saini	Neuroprotective role of <i>Bacopa monnieri</i> on cholchicine induced dementia in wistar rat	2015
18.	Ms. Naina Khullar	Studies on mitochondrial DNA of some species of blow flies for identification and phylogenetic analysis (Diptera: Calliphoridae)	2015
19.	Ms. Bhanvi Wadhwan	Entomotoxicological studies on <i>Chrysomya megacephala</i> (Diptera: Calliphoridae) feeding upon animal tissues administered various chemicals antemortem	2016
20.	Ms. Bhupinderjeet Kaur	Detection of some heavy metals from maggots and their effect on the development of <i>Chrysomya megacephala</i> (Fab.) (Diptera: Calliphoridae)	2016
21.	Ms. Ramneet Kaur	Studies on the mitochondrial DNA of some species of family Pentatomidae (Insecta: Hemiptera) for identification and phylogenetic analysis	2018
22.	Ms.Sujata Saini	Taxonomy of superfamily Bombycoidea (Lepidoptera) from north-west India supplemented with molecular studies	2018
23.	Ms. Navneet Kaur	Studies on mitochondrial DNA for identification and phylogenetic analysis of some species of hawk moths (Lepidoptera: Sphingidae)	2018
24.	Ms. Navneet Kaur	Studies on mitochondrial DNA for identification and phylogenetic analysis of some species of subfamily Culicinae (Culicidae: Diptera)	2018

25.	Ms. Gaganpreet Kour Bali	Taxonomy of family Lymantriidae (Lepidoptera: Noctuoidea) from north-west India supplemented with molecular studies	2019
26	Ms. Divya Vasishat	Studies on mitochondrial DNA for identification and phylogenetic analysis of some species of subfamily Anophelinae (Culicidae: Diptera)	2021
27	Mr. Raman Achint	Studies on mitochondrial DNA for identification and phylogenetic analysis of some species of family Muscidae (Diptera)	2021
28	Khushhal Kumar	Characterization of heavy metals and pesticides of holy Kali Bein and their bioremediation by resistant bacterial strains	2021

#### 16. M.Phil. students guided (Details)

S. No.	Name of the Student	Title of Thesis	Year of Completion
1.	Ms. Harvinder Kaur	Studies on the life history and external morphology of larvae of two blow fly species (Diptera : Calliphoridae)	1990
2.	Mr. Himender Bharti	A taxonomic revision of Indian <i>Macrophya</i> Dahlbom (Tenthredinidae : Hymenoptera)	1992
3.	Ms. Rashmi Garg	Life history of a species of flesh flies (Diptera: Sarcophagidae) and SEM studies on its immature stages	2009
4.	Ms. Bhupinderjeet Kaur	Entomotoxicological studies on <i>Chrysomya megacephala</i> (Fab.) (Diptera: Calliphoridae) feeding upon animal tissues administered Ketamine hydrochloride alone or in combination with Xylazine antemortem	2011
5.	Ms. Lovepreet Kaur	Observations on the effect of Ibuprofen present in decomposing tissue on the development of <i>Chrysomya megacephala</i> (Fab.) (Diptera: Calliphoridae)	2012
6.	Mr. Palwinder Singh	Taxonomic studies on flesh flies (Diptera: Sarcophagidae) from north India	2013

7.	Ms. Divya Vashist	Studies on mitochondrial DNA for identification of some species of subfamily Anophelinae (Culicidae: Diptera)	2016
8.	Mr. Raman Achint	Studies on mitochondrial DNA on some species of muscid flies (Muscidae: Diptera)	2017

**17. M.D. (Forensic Medicine) student guided from BFUHS, Faridkot**

S. No.	Name of the Student	Title of Thesis	Year of Completion
1.	Dr. Akash Aggarwal	Estimation of post-mortem interval on the basis of entomological evidence	2005

**17a. Masters in Public Health student guided from University of Lund, Sweden**

S. No.	Name of the Student	Title of Thesis	Year of Completion
1.	Dr Gursimrat Kaur Sandhu	Level of awareness among dog owners about some zoonotic diseases, especially Giardia, in city of Ithaca, New York, USA	2012

**18. List of Papers/Courses taught at P.G. and U.G. Level**

S. No.	Paper	Class
1.	Agriculture and Medical Entomology	M.Sc. II
2.	Vector Biology	M.Sc. II
3.	Wild life and its management	M.Sc. II
4.	Insect anatomy and physiology	M.Sc. II
5.	Environmental Health Hazards	M.Sc. II
6.	Natural Resources	M.Sc. II

**19. Administrative Experience**

i)	<b>Warden</b> , Boys Hostel	1990-1992
ii)	<b>Senior Warden</b> , Boys Hostels	2002-2008
iii)	<b>Director</b> , Planning and Monitoring	2008-2014
iv)	<b>Treasurer</b> , Punjab Academy of Sciences	2009-2012
v)	<b>Coordinator</b> , IPR Cell	2009-2014
vi)	<b>Head</b> , Department of Zoology	2009-2012
vii)	<b>Member</b> , IQAC	2010-2017

viii)	<b>Coordinator</b> , UGC NET	2010-2014
ix)	<b>Executive member</b> , Punjab Academy of Sciences	2012-2015
x)	<b>Professor Incharge</b> , Sophisticated Instruments Centre	2012-2021
xi)	<b>Member</b> , Advisory Committee, Centre for Diaspora Studies	2012-2013
xii)	<b>Member</b> , Coordination Committee, National Translation Mission	2012-2021
xiii)	<b>Coordinator</b> , Punjabipedia Project	2013-2021
xiv)	<b>Coordinator</b> , UGC-SAP	2013-2018
xv)	<b>Officiating Registrar</b> , Punjabi University, Patiala	Jul-Aug, 2013 Jan-Feb, 2014
xvi)	<b>Member</b> , Research Council, Defence Research Laboratory, Tezpur	2013-14
xvii)	<b>Coordinator</b> , Punjabi Computer Help Centre	2014-2016
xviii)	<b>Registrar</b> , Punjabi University, Patiala	July, 2014- April, 2017
xix)	<b>Dean</b> , Faculty of Life Sciences	1.1.2016-31.12.2017
xx)	<b>Chairman</b> , Institutional Biosafety Committee	2016-2017
xxi)	<b>Coordination</b> , NPTEL, Patiala Chapter	July, 2016-2021
xxii)	<b>Head</b> , Department of Zoology and Env. Sciences	1.1.2019-14.3.2019
xxiii)	<b>Registrar</b> , Chandigarh University, Gharuan	25.1.2022-20.6.2020
xxiv)	<b>Pro Vice Chancellor</b> , Chandigarh University, Gharuan	20.6.2022-onwards

## 20. Member editorial board of scientific journal

- i) Annals of Entomology
- ii) Indian Journal of Forensic Medicine and toxicology
- iii) Haltere

## 21. Technical Proficiency

I have got training in the recently developed field of Forensic Entomology in the laboratory of Professor Bernard Greenberg, University of Illinois at Chicago, U.S.A. and have been working in this field for the last 22 years. Data about the locally available fauna of Forensic importance has been compiled that can be used in crime investigation. Several cases have already been successfully worked out in collaboration with the local medical college. Besides it, studies on the taxonomy of some insect groups on the basis of morphological and molecular studies is also being undertaken.

## 22. Conferences/Workshops/Refresher courses attended

- 1) 1989 National Symposium on Indian Studies of Chrysomeloidea.  
Organised by Department of Zoology, Punjabi University, Patiala (8.3.89 to 9.3.89)
- 2) 1989 National workshop on Himalayan Ecology.  
Organised by School of Entomology, St.John's College, Agra (26.9.89 to 30.9.89)
- 3) 1990 Adventure-cum-study of Flora and Fauna Programme at Nandan Kanan  
Organised by Utkal University, Bhubaneswar (6.3.90 to 15.3.90)



- 4) 1990 Special course on key pests of India : their Bioecology with special reference to Integrated pest Management  
Organised by Punjab Agriculture University Ludhiana (6.6.90 to 15.6.90)
- 5) 1990 Training course on Insects Mass rearing technologies.  
Organised by Indian Agriculture Research Institute, New Delhi (25.6.90 to 7.7.90)
- 6) 1990 Symposium on Entomology for Defence Services.  
Organised by Defence Research and Development Establishment, Gwalior (12.9.1990 to 15.9.1990)
- 7) 1992 Refresher Course in Life Science-Present trends in Life Sciences.  
Organised by Guru Nanak Dev University, Amritsar (15.6.92 to 12.7.92)
- 8) 1992 Orientation course for University and College teachers.  
Organised by Punjab University, Chandigarh (16.9.92 to 13.10.92)
- 9) 1993 Advances in Forensic Entomology.  
Organised by North-east Multi-Regional Training Inc. Illinois, USA (5.6.93)
- 10) 1994 1st International Symposium on Vectors and Vector Borne Diseases.  
Organised by Regional Medical Research Centre, Bhubaneswar (12.9.1994 to 15.9.1994)
- 11) 1995 XII National Congress - Indian Society for Parasitology  
Organised by Indian Society for Parasitology, Goa (23.1.95 to 25.1.95)
- 12) 1996 83rd Indian Science Congress.  
Organised by Punjabi University, Patiala (3.1.96 to 8.1.96)
- 13) 1997 14th National Symposium on Recent Trends in Life Sciences.  
Organised by Department of Zoology, Punjabi University, Patiala (23.10.97 to 25.10.97)
- 14) 1998 13th International Punjabi Development Conference.  
Organised by Punjabi University, Patiala (28.3.98 to 30.3.98)
- 15) 1998 Workshop of Punjabi Writers  
Organised by Language Department, Punjab, Patiala (4.2.98)
- 16) 1998 Refresher Course in Environment  
Organised by Himachal Pradesh University, Shimla (18.5.98 to 6.6.98)

- 17) 1999 14<sup>th</sup> International Punjabi Development Conference.  
Organised by Punjabi University, Patiala (13.1.1999 to 15.1.1999)
- 18) 1999 Refresher Course in Criminology and Forensic Science.  
Organised by Punjabi University, Patiala (1.3.99 to 22.3.99)
- 19) 1999 IVth International Symposium on Vectors and Vector Borne Diseases.  
Organised by Defence Research and Development Establishment, Gwalior (18.2.1999 to 20.2.1999)
- 20) 1999 IIIrd Punjab Science Congress.  
Organised by Punjab University, Chandigarh (10.12.1999 to 12.12.1999)
- 21) 1999 Patent Awareness Workshop.  
Organised by PSCST at Thapar Institute, Patiala (9.10.1999)
- 22) 2000 5<sup>th</sup> International Symposium on Vectors and Vector Borne Diseases.  
Organised by Punjabi University, Patiala (16.2.2000 to 18.2.2000)
- 23) 2001 Workshop on Arthropod Taxonomy –Status and Challenges.  
Organised by University of Agriculture Sciences, Bangalore (15.7.2001)
- 24) 2001 Forensic Medicon - 2001. XXII Annual National Conference of Indian Academy of Forensic Medicine.  
Organised by S.M.S Medical College, Jaipur (5.1.2001 to 7.1.2001)
- 25) 2002 National Conference on the Role of Forensic Science in Criminal Investigations.  
Organised by Bundelkhand University, Jhansi (13.2.2002 to 14.2.2002)
- 26) 2002 UGC working conference on Entomological Research – Progress and Problems.  
Organised by Punjab University, Chandigarh (19.3.2002 to 21.3.2002)
- 27) 2003 National Symposium on recent trends in Zoological Sciences.  
Organised by Punjabi University, Patiala (12.3.2003 to 13.3.2003)
- 28) 2004 91<sup>st</sup> Indian Science Congress.  
Organised by Punjab University, Chandigarh (3.1.2004 to 7.1.2004)
- 29) 2005 8<sup>th</sup> Punjab Science Congress  
Organised by Punjabi University, Patiala (7.2.2005 to 9.2.2005)
- 30) 2005 7<sup>th</sup> International Symposium on vectors and vector borne diseases  
Organised by Punjabi University, Patiala (18.2.2005 to 20.2.2005)

- 31) 2005 International Conference on Modern Trends in Forensic Science.  
Organised by Bundelkhand University, Jhansi (13.2.2005 to 15.2.2005)
- 32) 2006 National Congress of Entomology  
Organised by Punjabi University, Patiala (15.3.2006 to 17.3.2006)
- 33) 2006 6th International Congress of Dipterology  
Organised at Fukuoka, Japan (23.9.2006 to 28.9.2006)
- 34) 2007 Research Interface workshop on insect diversity with particular emphasis on  
Microlepidoptera  
Organised by Punjabi University, Patiala (24.3.2007 to 25.3.2007)
- 35) 2007 1st Conference on Medical Arthropodology  
Organised by CRME, Madurai (1.9.2007 to 2.9.2007)
- 36) 2007 International Conference on Ants and other Social Hymenoptera (6th AneT)  
Organised by Punjabi University, Patiala (9.10.2007 to 13.10.2007)
- 37) 2008 11th Punjab Science Congress  
Organised by Thapar University, Patiala (7.2.2008 to 9.2.2008)
- 38) 2009 International Conference on Entomology  
Organised by Punjabi University, Patiala (26.2.2009 to 28.2.2009)
- 39) 2009 Recent advances in disease vector management  
Organised by DRDE, Gwalior (20.7.2009 to 24.7.2009)
- 40) 2010 Environmental degradation and its impact on mankind  
Organised by Punjabi University, Patiala (19.11.2010 to 20.11.2010)
- 41) 2011 1<sup>ST</sup> Punjabi University Science Congress  
Organised by Punjabi University, Patiala (28.2.2011)
- 42) 2011 6<sup>TH</sup> International Symposium on molecular Insect Science  
Organised by Elsevier, Amsterdam, Netherlands (2.10.2011 to 5.10.2011)
- 43) 2011 National conference on impact of Science and Technology on societal  
development  
Organised by SUS College of Science and Technology, Tangori ( 3.11.2011 to  
5.11.2011)
- 44) 2012 2<sup>nd</sup> Punjabi University Science Congress  
Organised by Punjabi University, Patiala (28.2.2012)

- 45) 2012 International Conference on Entomology  
Organised by Punjabi University, Patiala (17.2.2012 to 19.2.2012)
- 46) 2012 National Symposium on education and research in Forensic Science: Issues and Challenges  
Organised by Punjabi University, Patiala (15.3.2012 to 16.3.2012)
- 47) 2013 National conference on insect diversity and systematics: special emphasis on molecular approach  
Organised by Aligarh Muslim University, Aligarh (28.10.2013 to 30.10.2013)
- 48) 2013 7th Conference of Medical Arthropodology  
Organised by Defence Research Laboratory, Tezpur (12.12.2013 to 13.12.2013)
- 49) 2013 Teachers training on social insects  
Organised by Society for Environment and development, Patiala (17.12.2013 to 19.12.2013)
- 50) 2014 International Conference on Entomology  
Organised by Punjabi University, Patiala (21.2.2014 to 23.2.2014)
- 51) 2015 Seminar on Excessive Use of toxic Chemicals and its impact on Human life and Environment  
Organised by A. S. College, Khanna (29.1.2015)
- 52) 2015 National seminar on Conservation of natural resources  
Organised by G.H.G. Khalsa College, Gurusar Sadhar (27.3.2015 to 28.3.2015)
- 53) 2015 World Punjabi Conference  
Organized by Punjabi Business Professional Association, Toronto, Canada (13.6.2015 to 14.6.2015)
- 54) 2015 National Conference on Entomology  
Organised by Punjabi University, Patiala (29.10.2015 to 30.10.2015)
- 55) 2015 National Conference on innovative approaches in public health  
Organised by AFMC. Pune (18.11.2015 to 20.11.2015)
- 56) 2016 19th Punjab Science Congress  
Organised by SUS College of Science and Technology, Tangori (7.2.2016 to 9.2.2016)

- 57) 2106 International Punjabi Literature, Culture and Language Conference: Present and Future  
Organised by International Punjabi Literature Academy, California at State University of Fresno, USA (4.6.2016 to 5.6.2016)
- 58) 2016 5<sup>th</sup> International Conference on Forensic Research & Technology  
Organised by Conference series.com at San Francisco, USA (31.10.2016 to 2.11.2016)
- 59) 2016 International Conference on Entomology  
Organised by Punjabi University, Patiala (3.12.2016 to 5.12.2016)
- 60) 2017 Key note lecture at Inspire Internship Camp  
Organised by DAV College, Chandigarh (2.1.2017 to 6.1.2017)
- 61) 2017 International Conference in Zoological Sciences  
Organised by Punjabi University, Patiala (26.10.2017 to 28.10.2017)
- 62) 2018 Global Punjabi Conference  
Organised by Khalsa College, Patiala (22.2.2018 to 23.2.2018)
- 63) 2018 Science and Science Education  
Organised by Indian Institute of Science Education and Research (13.10.2018 to 14.10.2018)
- 64) 2020 International webinar on Forensic Entomology and its relevance in legal proceedings  
Organised by University of Lucknow, Lucknow (29.6.2020 to 30.6.2020)
- 65) 2021 3<sup>rd</sup> National Conference on Conservation of Environment and Law  
Organised by RIMT University, Gobindgarh (30.7.2021)
- 66) 2021 World Habitat Day: Accelerating urban action for a carbon-free world  
Organised by The Institute of Engineers (India) (4.10.2021)

### 23. List of Papers Published

- 1) \*1985 Three new genera of Tenthredinidae from India (Hym., Symphyta).  
Dtsch. ent. Z. , N.F., 32(4-5) : 325-334 **EAST GERMANY**
- 2) \*1985 The gross external morphology of *Arge simlaensis* CAMERON (Hym. Argidae)  
Dtsch. ent. Z. , N.F., 32(4-5) : 363-377 **EAST GERMANY**

- 3) 1985 Five new species of *Siobla* Cameron (Hymenoptera: Tenthredinidae) from India with a key to the Indian species. J. Bombay Nat. Hist. Soc., 82(2) : 381-387
- 4) \*1986 Four new species, two each of *Athlophorous* and *Macrophya* (Hymenoptera:Tenthredinidae ) from India. J. New York Entomol. Soc., 94(1) : 62-69 U.S.A
- 5) 1986 First record of 13 species of *Tenthredo* Linn. (Hymenoptera : Tenthredinidae) from India Utttar Pradesh J.Zool., 6(1) : 75-81
- 6) 1986 A new synonymy for *Tenthredo providus* (Smith) (Hymenoptera: Tenthredinidae) Jour. ent. Res., 10(2) : 205-206
- 7) 1986 Zoogeographical distribution of genus *Tenthredo* Linn. (Hymenoptera : Tenthredinidae). Ann. Entomol., 4(2) : 41-44
- 8) \*1987 Six new species of *Tenthredo* LINN. from North-western India (Hymenoptera, Symphyta, Tenthredinidae). Reichenbachia, 24(29) : 189-198 **EAST GERMANY**
- 9) \*1987 Four new species of *Loderus* KONOW from India with a key to the oriental species of this genus (Hymenoptera: Tenthredinidae). Dtsch. ent. Z., N.F., 34(4-5) : 367-371 **EAST GERMANY**
- 10) \*1987 Five new species of *Tenthredo* LINNEUS. From Uttar-khand area (India) (Hymenoptera:Tenthredinidae). Dtsch. ent. Z., N.F., 34(4-5) : 397-405 **EAST GERMANY**
- 11) \*1987 A new genus and a new species of Siricinae ( Insecta, Hymenoptera, Siricidae) from India with a revised key to its world genera. Zool. Scr., 16(2) : 177-180 **NORWAY**
- 12) \*1987 Induction of Artificial Parthenogenesis in *Athalia lugens proxima* (Hymenoptera : Tenthredinidae). Entomol. Gener., 12(2-3) : 171-176 **WEST GERMANY**
- 13) \*1987 Six new species of *Tenthredo* LINNAEUS ( Hymenoptera : Tenthredinidae ) from India. J. New York Entomol. Soc. , 95(2) : 328-337 U.S.A

- 14) \*1987 Studies on Indian species of *Athlophorus* BURM. (Insecta, Hymenoptera, Tenthredinidae, Selandriinae).  
Faun. Abh., 15(5) : 27-29 **EAST GERMANY**
- 15) \*1987 A new genus and a new species of Xiphydriidae ( Insecta, Hymenoptera, Symphyta) from India.  
Zool. Scr., 16(4) : 355-356 **NORWAY**
- 16) 1987 First record of males for fifteen oriental species of *Tenthredo* LINN. (Hymenoptera : Tenthredinidae) from India.  
Entomon, 12(3) : 305-308
- 17) \*1987 Comparison of the telomeres and gonomaculae in the male genitalia of nine families of Symphyta (Hymenoptera : Insecta).  
Israel Jour. Entomol. , 21: 119-122 **ISRAEL**
- 18) 1988 Five new species of *Tenthredo* Linnaeus (Hymenoptera: Tenthredinidae ) from the Garhwal hills.  
J. Bombay Nat. Hist. Soc., 85(1) : 143-151
- 19) \*1988 Five new species of *Tenthredo* LINNAEUS from the Eastern Himalaya (Hymenoptera : Tenthredinidae).  
Dtsch. ent. Z. N.F. , 35(4-5) : 387-394 **EAST GERMANY**
- 20) 1988 Six new species of *Tenthredo* Linnaeus ( Hymenoptera : Tenthredinidae) from northern India.  
J. Bombay Nat. Hist. Soc., 85(2) : 366-375
- 21) \*1988 Six new species of *Tenthredo* LINN. from the western Himalayas ( Insecta, Hymenoptera, Symphyta, Tenthredinidae)  
Reichenbachia, 35(28) : 137-147 **EAST GERMANY**
- 22) 1988 New synonymy for *Tenthredo himalayensis* (Radoszkowsky) (Hymenoptera : Tenthredinidae).  
Uttar Pradesh J. Zool., 8(1) : 97-99
- 23) \*1988 First record of *Xiphydria* ( Hymenoptera, Xiphydriidae) from India with description of two new species.  
Kontyu, 56(3) : 565-568 **JAPAN**
- 24) 1988 A replacement name for *Tenthredo muchei* ( Hymenoptera : Tenthredinidae).  
Jour. ent. Res., 12(1) : 87
- 25) \*1989 Studies on Indian Dolerini (Hymenoptera: Tenthredinidae).  
Bulletin Kon. Bel. Ins. Nat., Entom, 58:189-190 **BELGIUM**

- 26) \*1990 Five new species of *Metallopeus* Malaise (Hymenoptera : Tenthredinidae) from India, with a key to the Indian species.  
Jpn. J. Ent. , 58(1) : 1-9 **JAPAN**
- 27) 1990 Transfer of the species *lucida* from *Macrophya* to *Tenthredo* (Hymenoptera: Tenthredinidae).  
Jour. ent. Res., 14(1) : 146
- 28) \*1992 The sawfly genus *Propodea* MALAISE of the Oriental region ( Insecta, Hymenoptera, Tenthredinidae, Tenthredininae).  
Faun. Abh. , 18:197-201 **EAST GERMANY**
- 29) 1990 First record of the genus *Colochela* (Hymenoptera: Tenthredinidae) from India.  
Entomon, 15(3-4) : 271-272
- 30) 1990 Studies on the Indian species of *Peus* Konow ( Hymenoptera : Tenthredinidae).  
Ann. Entomol., 8(2) : 27-30
- 31) 1990 Comparative morphological studies on the maggots belonging to two Indian species of *Chrysomya* (Diptera:Calliphoridae).  
Proc. Entomol .Def. Ser., 1: 193-200
- 32) 1991 Taxonomy of some Indian *Tenthredo* Linn. (Hymenoptera: Tenthredinidae).  
J. Bombay Nat. Hist. Soc., 88(2) : 296-297
- 33) 1992 First record of the genus *Laurentina* Malaise (Hymenoptera: Tenthredinidae) from India with description of a new species.  
J. Bombay Nat. Hist. Soc., 89(1) : 94-96
- 34) \*1994 Survival after submergence in the pupae of five species of blow flies (Diptera:Calliphoridae).  
J. Med. Entomol., 31(5) : 757-759 **U.S.A**
- 35) 1994 Two species of genus *Tenthredo* L. (Hymenoptera:Tenthredinidae) from the Northern-Western Himalaya.  
Uttar Pradesh J. Zool., 14(2) : 129-132
- 36) \*1995 Species identification of Calliphorid (Diptera) eggs.  
J. Med. Entomol., 32(1) : 21-26 **U.S.A**



- 37) 1995 New sawflies of the genus *Tenthredo* Linn.(Hymenoptera, Symphyta, Tenthredinidae) from India.  
Ann. Entomol., 13(1) : 9-13
- 38) \*1996 Taxonomic revision of genus *Macrophya* Dahlbom (Hymenoptera, Symphyta, Tenthredinidae, Tenthredininae) from India.  
Dtsch. ent. Z., N.F., 43(1) : 129-154 **GERMANY**
- 39) 1997 Some observations on the life histories of two species of blow flies (Diptera:Calliphoridae) at Patiala (PB.).  
Bull. Pure Appl. Sci., 16A (1-2) : 1-3
- 40) 1999 Forensic Entomology in the Indian perspective.  
Jour. Punj. Acad. Sci., 1: 217-220
- 41) 2000 Decay pattern and insect succession on rabbit carcasses in different seasons.  
Jour. Punj. Acad. Sci., 2(1): 183-185
- 42) 2000 Forensically important blow flies (Diptera:Calliphoridae) of Punjab, India.  
Uttar Pradesh J. Zool., 20(3):249-251
- 43) 2000 The other side of the coin - Beneficial role of blow flies (Diptera: Calliphoridae).  
Proc. 5<sup>th</sup> Int. Sym. Vec. Bor. Dis., 17-19
- 44) 2001 Ants (Hymenoptera : Formicidae) associated with decaying rabbit carcasses.  
Uttar Pradesh Jour. Zool.,21(1): 93-94
- 45) \*2001 Further observations on the nocturnal oviposition behaviour of blow flies (Diptera : Calliphoridae).  
For. Sci. Inter.,120: 124-126 **GERMANY**
- 46) 2001 First record of some carrion flies (Diptera : Cyclorrhapha) from India.  
Uttar Pradesh Jour.Zool.,21(3):267-268
- 47) 2002 Occurrence of different larval stages of blow flies (Diptera: Calliphoridae) on decaying rabbit carcasses.  
Jour. ent. Res., 26(4): 343-350
- 48) 2002 Blow flies (Diptera: Calliphoridae) collected from North-west region including first record of two species from India.  
Uttar Pradesh Jour. Zool., 22(1): 93-95

- 49) 2003 Forensic Entomology- A guide to postmortem interval.  
JPAFMAT, 3: 7-10
- 50) \*2003 Insect faunal succession on decaying rabbit carcasses in Punjab, India.  
Jour. Foren. Sci., 48(5): 1133-1143 U.S.A.
- 51) 2004 A check list of blowflies (Diptera: Calliphoridae) from North-west of India.  
Uttar Pradesh Jour. Zool., 24(1): 63-71
- 52) 2004 New records of blow flies (Diptera: Calliphoridae) from India.  
Entomon, 29(2) : 203-206
- 53) 2004 Studies on the prevalence of aeroallergen sensitivity in population of Punjab.  
Nat. J. Life Sciences, 1(2): 251-254
- 54) 2005 Forensic Entomology: Use of insects in crime investigation.  
Everyman's Science, 39(5): 321-323
- 55) 2005 Forensic importance of insects sequentially colonizing carcasses.  
In: Forensic Science and Crime Investigation. Ed. Chandra *et. al.*,  
Abhijeet Publications, Delhi
- 56) 2005 First record of the genus *Wilhelmina* SCHMITZ & VILLENEUVE from India with description of a new species (Diptera: Calliphoridae).  
Entomon, 30(3):255-259
- 57) 2006 Wound myiasis due to *Chrysomya bezziana* (Diptera: Calliphoridae) in Patients of diabetic foot.  
J. ent. Res., 30(4): 367-369
- 58) 2006 Studies on the population dynamics of Hemiptera (Insecta) collected from light trap  
Ann. Entomol., 24(1-2):59-63
- 59) 2007 Human traumatic myiasis due to *Chrysomya bezziana* (Diptera: Calliphoridae) in Punjab.  
Uttar Pradesh J. Zool., 27(2): 255-257
- 60) 2007 Population dynamics of Orthoptera (Insecta) collected from light trap.  
J. ent. Res., 31(1): 63-71
- 61) 2007 Two new species of *Melinda* Robineau–Desvoidy (Diptera : Calliphoridae) from India with a key to the Indian species of this genus.  
Jour. Bombay Nat. Hist. Soc., 104(1): 55-57

- 62) 2007 Survival of postfeeding larvae and pupae of *Chrysomya megacephala* (Fab.) (Diptera; Calliphoridae) after submergence in oil. J. Punjab Acad. Sci., 4(1-2): 95-98
- 63) 2007 A study on the incidence of myiasis among pet dogs in the state of Punjab. J. Punjab Acad. Sci., 4(1-2): 99-102
- 64) 2007 Effect of temperature on the development of forensically important blowfly *Chrysomya megacephala* (Fabricius) (Diptera: Calliphoridae). Entomon, 32(2): 149-151
- 65) 2007 Importance of insects in crime investigation. In *Medical Arthropodology Taxonomy and Biodiversity*. pp 59-67 Eds. Tyagi B.K. et al., CRME, Madurai
- 66) \*2008 Some notes on nocturnal larviposition by two species of *Sarcophaga* (Diptera: Sarcophagidae). For. Sci. Inter., 177: e19-e20 **GERMANY**
- 67) 2009 Extent of heterogeneity in the polynucleotide stretches of mtDNA hypervariable region in the Indian population. Medico-legal Update, 9(1): 38-45
- 68) 2009 Insects at the scene of crime. Science Reporter, September, 2009 : 8-13
- 69) 2009 A simple method to determine the age of pupae of *Chrysomya megacephala* (Fab.) (Diptera: Calliphoridae) J. ent. Res., 33(1): 65-67
- 70) \*2009 The effect of starvation on the larval behavior of two forensically important species of blow flies (Diptera; Calliphoridae). For. Sci. Inter., 193: 118-121 **GERMANY**
- 71) 2009 Inter- and intra-individual polymorphism in mtDNA control region: A preliminary report on mtDNA haplotype, inheritance and segregation of heteroplasmy in 10 maternal pedigrees. Ind. J. Foren. Med. Tox. 3(2): 9-17
- 72) 2009 Effect of medium on the pupation behavior of two species of blow flies (Diptera: Calliphoridae). J. ent. Res., 33(3): 269-272

- 73) 2009 Studies on the life history of *Sarcophaga ruficornis* (Fab.) at varying temperatures (Diptera: Sarcophagidae)  
Ann. Entomol., 27(1-2): 45-48
- 74) 2009 Forensic Entomology : An exhaustive review  
Ann. Entomol., 27(1-2): 1-44
- 75) \*2010 Studies on Larval Dispersal in Two Species of blow flies (Diptera: Calliphoridae)  
J. Forensic Res., 1:102 doi 10 4172/2157-7145.1000102 **U.S.A.**
- 76) 2010 Fly attacks.  
Science Reporter, April, 2010: 19-22
- 77) 2010 Role of entomotoxicology in crime investigation. *In: Advances in Zoology*, Editors Kirti, J.S. and Kumar, A. Kanishka Publications, Delhi, 288 pp.
- 78) 2010 Pentatomidae (Hemiptera: Heteroptera) fauna of northern India: An exhaustive survey  
J. Punjab Acad. Sci., 6-7(1-2): 65-69
- 79) 2010 Family Lygaeidae (Schilling, 1829) (Hemiptera: Heteroptera) of north India: A survey report  
J. Punjab Acad. Sci., 6-7(1-2): 49-51
- 80) \*2011 Larval survival of two species of forensically important blow flies (Diptera: Calliphoridae) after submergence in water  
Entomol. Res., 41: 39-45 **S. KOREA**
- 81) 2011 Emerging trends in Forensic Entomology : An eye towards the future.  
*In: Entomology: Ecology and Biodiversity*, Editors Tyagi, B.K. and Singh, V.V.
- 82) 2011 Influence of photoperiod on pupation behaviour of two species of blow flies (Diptera: Calliphoridae)  
J. ent. Res., 35(2): 147-150
- 83) 2011 *Chrysomya bezziana* (Diptera: Calliphoridae) as a causative agent of myiasis in patients suffering from oral cancer  
J. ent. Res., 35(2): 187-189
- 84) 2011 Studies on external genitalia of India species of genus *Acherontia* Laspeyres (Sphinginae: Sphingidae: Lepidoptera)  
Ann. Entomol., 29(1): 3-8

- 85) 2011 Toxicological effects of chlorpyrifos on lipid peroxidation and inhibition of some liver enzymes in rat  
J. Punjab Acad. Sci., 7-8(1-2): 32-38
- 86) 2011 Comparison of external male genitalia of ten species of the genus *Homoeocerus* Burmeister from India (Hemiptera: Coreidae)  
Entomon, 36(1-4): 135-143
- 87) \*2012 Ultramorphological characteristics of immature stages of a forensically important fly *Parasarcophaga ruficornis* (Fabricius) (Diptera: Sarcophagidae)  
Parasitol. Res., 110: 821-831 **GERMANY**
- 88) 2012 Studies on the external genitalia of four species of genus *Psilogramma* Rothschild and Jordan (Sphingidae: Lepidoptera) from India  
J. ent. Res., 36(1): 95-100
- 89) \*2012 Neuroprotective effects of *Bacopa monnieri* in experimental model of dementia  
Neurochem. Res., 37(9): 1928-37 **U.S.A**
- 90) 2012 Faunal diversity of terrestrial Heteroptera (insecta : Hemiptera) in Punjab, India  
J. ent. Res., 36(2): 177-181
- 91) 2012 A survey report on family Coreidae (Hemiptera: Heteroptera) from North India.  
Ann. Entomol., 30(2): 11-16
- 92) \*2012 Species-specific sex chromosome behavior and banding patterns in three Largid species (Heteroptera)  
Chromosome Sci., 15: 31-37 **JAPAN**
- 93) 2012 Two new species of the genus *Jauravia* Mots. from India (Coleoptera: Coccinellidae: Stichlotidinae)  
Uttar Pradesh J, Zool., 33(1) : 17-20
- 94) 2012 The genus *Nephele* Hubner (Lepidoptera: Sphingidae from India with description of a new species  
Entomon, 37(1-4): 77-87
- 95) 2012 Comparison of external genitalia of four species of genus *Spilostethus* Stal (Hemiptera: Lygaeidae)  
Entomon, 37 (1-4): 145-152

- 96) 2013 Taxonomic significance of external genitalia in differentiating four species of genus *Carbula* Stal (Heteroptera: Pentatomidae) from north India  
J. Entomol. Zool. St., 1(3): 1-11
- 97) \*2013 Two new species of the genus *Cletus* Stal from India (Hemiptera: Heteroptera: Coreidae)  
Polish J. Entomol., 82: 63-81 **POLAND**
- 98) 2013 New records of Pentatomidae bugs (Heteroptera) from north India.  
Bionotes, 15(2): 47-48
- 99) 2013 New records of some heteropteran bugs from north India .  
Bionotes, 15(3): 80-81
- 100) 2013 Taxonomic studies on *Chaubattiana rubrovittata* Distant (Heteroptera; Pentatomidae: Pentotominae) with special reference to its morphometric details and external female genitalia  
J. ent. Res., 37(3): 277-280
- 101) 2013 External genitalia of three species of genus *Dieuches* Dohrn (Hemiptera: Rhyparochromidae)  
J. ent. Res., 37(3): 281-284
- 102) 2013 Taxonomic studies on five species of the genus *Cletus* Stal (Heteroptera: Coreidae) from northern India with particular reference to their female genitalia  
J. Entomol. Zool. St., 1(6): 44-51
- 103) 2013 Taxonomic studies on the genus *Halyabbas* Distant and the type species *Halyabbas unicolor* Distant (Heteroptera-Pentatomidae-Pentotominae-Amyntorini)  
Int. J. Fauna Biol. St., 1(2): 16-19
- 104) 2013 Identification of two forensically important species of blow flies (Diptera: Calliphoridae) through banding patterns of polytene chromosomes.  
J. Punjab Acad. Sci., 11-12(1-2): 9-12
- 105) 2013 A new species of genus *Pseudoscymnus* Chaplin (Coleoptera: Coccinellidae: Scymninae) from India  
J. Ins. Sci, 26(2): 203-204
- 106) 2013 Studies on two Indian species of genus *Cletomorpha* Mayr (Hemiptera: Coreidae)  
J. Ins. Sci, 26(2): 210-214

- 107) 2013 Morphology of two Indian species of the genus *Rhyparothesus* Scudder (Hemiptera: Rhyparochromidae)  
Entomon, 38(4): 183 - 192
- 108) 2013 A new species of genus *Ortalia* Mulsant (Scymninae: Coccinellidae)  
J. ent. Res., 37(2): 167-168
- 109) 2014 Identification of three forensically important Indian species of flesh flies (Diptera: Sarcophagidae) based on cytochrome oxidase I gene.  
Indian J. Forens. Med. Toxicology, 8(1): 12-17
- 110) 2014 Effect of Ketamine hydrochloride in combination with Xylazine on the development of *Chrysomya megacephala* Fab.  
Indian J. Forens. Med. Toxicology, 8(1): 140-145
- 111) 2014 16S rRNA: a reliable mitochondrial gene for DNA amplification from old and fragmented samples of forensically important blow flies (Diptera: Calliphoridae)  
WJPPS, 3(10): 1314:1319
- 112) 2014 New records of family Rhyparochromidae (Hemiptera: Heteroptera) from India.  
J. ent. Res., 38(3): 231-234
- 113) 2014 Studies on the effect of oxidative stress induced by Chlorpyrifos on antioxidant enzymes in rat.  
WJPPS, 3(11): 523-533
- 114) \*2014 Mitochondrial DNA of two forensically important species of *Chrysomya* (Diptera: Calliphoridae) from India  
Oriental Insects, DOI:10.1080/00305316.2015.1013181 **USA**
- 115) 2014 Level of awareness regarding some zoonotic diseases among dog owners of Ithaca, New York  
J. Fam. Med. Primary Care, 3(4): 418-423
- 116) 2015 Genitalic studies of two species of genus *Daphnis* Hubner (Sphingidae: Lepidoptera) from India  
J. Chem.Bio.Phy. Sci. Sec. B, 5(2): 1531-1537
- 117) \*2015 Mitochondrial DNA based identification of forensically important Indian flesh flies (Diptera: Sarcophagidae)  
For. Sci. Inter, 247: 1-6 **GERMANY**

- 118) 2015 16S rRNA gene sequencing of the most regnant and pernicious pests *Brevundimonas diminuta*, *Craterium leucocephalum* and *Diachea leucopodia* associated with dried preserved forensically valuable Calliphorids  
J. Entomol. Zool. St., 3(2): 134-137
- 119) 2015 Male genitalia of five species of *Cletus* Stal (Hemiptera: Coreidae) from India  
Ind. Jour. Entomol., 77(2): 100-103
- 120) 2015 Studies on two Indian species of genus *Graptostethus* Stal (Hemiptera: Lygaeidae)  
J. Entomol. Zool. St., 3(3): 283-286
- 121) \*2015 Development of two forensically important blow fly species (*Chrysomya megacephala* and *Chrysomya rufifacies*) (Diptera: Calliphoridae) at four temperatures in India  
Entomol. Res., 45, doi:10.1111/1748.5967.12110 **S. KOREA**
- 122) 2015 Molecular identification of two forensically important Indian flesh flies (Diptera: Sarcophagidae)  
Int. J. Adv. Res. Sci. Engin.Technol 2(7): 814-818
- 123) 2015 Historical approach of Forensic Entomology: A review  
Int. J. Adv. Res. Sci. Engin.Technol., 2(9): 838-845
- 124) 2015 Taxonomic studies on two Indian species of genus *Clavigralla* Spin (Hemiptera: Coreidae)  
Annals Agri Bio Research, 20(2): 188-193
- 125) 2015 Comparison of morphology and external genitalia of the three species of the genus *Anoplocnemis* Stal (Hemiptera: Coreidae) from North India  
Annals of Biology, 31(2): 235-240
- 126) 2015 Genitalic studies of *Hemaris fuciformis* LINNAEUS (Sphingidae: Lepidoptera) from India  
J. Global Biosc., 4(7): 2786-2789
- 127) 2015 Lucrative potentials of mitochondrial DNA: A laconic review accentuating particularly blow flies beyond forensic importance  
J. Entomol. Zool. St., 3(4): 1-8
- 128) 2015 Identification of 12 years old museum samples of *Isomyia tibialis*, *Cosmina prasina* and *Cosmina limbipennis* (Calliphoridae: Rhiniinae)  
J. Bio. Innov., 4(3):87-91



- 129) 2015 The morphology and external genitalia of *Acanthocoris scabrator* (Fabricius) (Hemiptera: Heteroptera: Coreidae)  
J. Punjab Acad. Sci., 13-14(1-2): 19-21
- 130) 2015 Studies on morphology and external genitalia of *Hydara orientalis* (Hemiptera:Coreidae) from North India  
International Journal of Neo Science, 2(II): 48-50
- 131) 2015\* Molecular identification of forensically important Indian species of flesh flies (Diptera: Sarcophagidae) by using COI gene of mitochondrial DNA.  
J. Forensic Research., 6(6): 1-6 **USA**
- 132) 2015 Studies on the genus *Leucophlebia* Westwood (Sphingidae: Lepidoptera) from India.  
J. ent. Res., 39(2): 175-180
- 133) 2016 A study on the incidence of myiasis among dairy animals in the state of Punjab, India  
IOSR Jour. Agri. Vet, Sci., :9(1): 30-34
- 134) 2016 Detection of Ketamine hydrochloride and its effect on the development of immature stages of a forensically important blow fly *Chrysomya megacephala* (Fabricius) (Diptera: Calliphoridae)  
J. Entomol. Zool. St., 4(2): 91-97
- 135) 2016 Short *COI* marker: A valuable tool for identification and phylogenetic analysis of 6 forensically important blow fly species from India  
J. Entomol. Zool. St., 4(3): 27-31
- 136) 2016 Mitochondrial COI gene based identification of Indian Sarcophagid flies (Diptera: Sarcophagidae): A review  
IJRSR, 7(1): 8279-8281
- 137) 2016 DNA based techniques for the identification of forensically important flies (Diptera): A review  
IJSR, 1(12): 160-166
- 138) 2016 Forensic Entomology: An Indian Prospective  
IJSRSET, 2(1): 207-209
- 139) 2016 *Ptelocnemis obscura* (Dallas): The only know species of the genus *Ptelocnemis* Stal (Hemiptera: Coreidae) from the Oriental region.  
J. ent. Res., 40(1): 109-111

- 140) 2016 Cytochrome Oxidase I gene based identification of forensically important species of Indian flesh flies (Diptera: Sarcophagidae)  
J. ent. Res., 40(2): 195-200
- 141) 2016 The Role of *Tinospora cordifolia* in Extenuating the Toxic Effects of CPF on Hepatic Modifications along with Electron Microscope observations in Red Blood Cells  
Int. J. Curr. Microbial. App.Sci., 5(10): 952-967
- 142) 2016 Morphology and molecular based identification of forensically important flies (Diptera): A review  
IJS DR, 1(9): 268-273
- 143) 2016 Molecular identification of *Parasarcophaga hirtipes* and *Parasarcophaga sericea* based on COI gene in India  
IJALS, 9(2): 270-275
- 144) 2016 Cytochrome Oxidase I (COI) Gene based Identification of Indian Blow Flies (Diptera: Calliphoridae): A Review  
IJSART, 2(8): 110-111
- 145) 2016 Studies on Indian species of *Sciocoris* Fallen (Heteroptera: Pentatomidae)  
Int. Jour. Entomol. Res., 1(7): 54-56
- 146) 2017 Comparison of three different methods for DNA extraction from bugs of family Pentatomidae (Hemiptera) for PCR  
J. Entomol. Zool. St., 5(1): 57-61
- 147) 2017 Genitalic studies of *Callambulyx rubricosa* WALKER (Sphingidae: Lepidoptera)  
Journal of Global Biosciences, 6(3): 4831-4834
- 148) 2017 Mitochondrial DNA studies: Revealing the first record of genus *Protophormia* from India  
J. Entomol. Zool. St., 5(1):615-617
- 149) 2017 DNA barcoding of some Indian species of hawk moths based on COI gene (Lepidoptera : Sphingidae)  
J. Entomol. Zool. St., 5(4): 35-40
- 150) 2017 Studies on some species of Indian *Anopheles* based on mitochondrial gene COII (Diptera: Culicidae: Anophelinae)  
J. Entomol. Zool. St., 5(3): 1895-1899
- 151) 2017 Studies on the genus *Clanis* Hubner (Sphingidae: Lepidoptera) from India  
J. ent. Res., 41(2): 215-219

- 152) 2017 Male genitalic studies of *Anambulyx elwesi* (Druce) from India (Lepidoptera: Sphingidae)  
Bionotes, 19(2): 54-55
- 153) 2017 Studies on the genus *Ambulyx* Westwood (Lepidoptera: Sphingidae) from India  
Entomon, 42(2): 115-120
- 154) 2017 Taxonomic studies on flesh fly species (Diptera: Sarcophagidae) *Parasarcophaga dux* and *Parasarcophaga sarupi* of Indian origin  
Int. Jour. Entomol. Res., 2(4): 21-24
- 155) 2017 Morphological studies on *Parasarcophaga albiceps*, *Parasarcophaga macroauriculata* and *Parasarcophaga ruficornis* (Diptera: Sarcophagidae) of Indian origin  
Int. Jour. Fauna Biolog. Series, 4(4): 155-161
- 156) 2017 Sequence analysis of mitochondrial COII gene fragment from five culicine mosquito species.  
J. Entomol. Zool. St., 5(4): 1386-1390
- 157) 2017\* Effect of Cadmium Chloride on the Development of *Chrysomya Megacephala* (Diptera:Calliphoridae) and its Importance to Postmortem Interval Estimate.  
J. Forensic Sci. Criminal Inves., 3(5): 3(5): 555622. DOI: 10. 19080/JFSCI .2017.03.555622  
USA
- 158) 2017 Taxonomic studies on *Ravinia pernix*, *Boettcherisca peregrina* and *Seniorwhitea reciproca* (Diptera: Sarcophagidae) of Indian origin.  
Int. J. Zool. St., 2(5): 81-88
- 159) 2017 Calliphoridae: Cladogram Based On Morphological Characters  
WW J. Multy. Re. Dev., 3(9): 318-321
- 160) 2017 Mitochondrial DNA reveals some ecological and evolutionary patterns that confer survival and reproduction values to various flies  
Int. J. Zool. St., 2(5): 106-111
- 161) 2017 High interspecific and intraspecific variations observed among members of family Calliphoridae  
Int. J. Entomol. Res, 2(5): 90-92
- 162) 2017 Phylogenetic characterization of some species of family Calliphoridae using COII gene marker  
Int. J. Entomol. Res, 2(5): 79-82

- 163) 2017 Studies on three Indian species of Genus *Parasarcophaga* Johnston and Tiegs (Diptera: Sarcophagidae)  
Int. J. Entomol. Res, 2(5): 109-115
- 164) 2017 Molecular identification of some Indian Muscid flies (Diptera: Muscidae) based on mitochondrial gene COII  
Int. J. Zool. St., 2(6): 101-105
- 165) 2017 Molecular studies on Indian Muscid flies (Diptera: Muscidae): A review  
Int. J. Entomol. Res, 2(6): 84-87
- 166) 2017 Morphotaxonomy and external genitalia of three species of genus *Tolumnia* Stål (Heteroptera: Pentatomidae) from North India  
J. Entomol. Zool. St., 5(1): 01-06
- 167) 2017\* Taxonomic status of Genus *Brahmaea* Walker (Lepidoptera: Bombycoidea: Brahmaeidae) from India  
J. Entomol., 14 (5): 234-240 **USA**
- 168) 2017 Further studies on *Crecula fenestrata* (Lepidoptera: Bombycoidea: Saturniidae) from North-West India  
Bionotes, 20(2):15-17
- 169) 2017 Studies on three species of *Bengalia* Robineau-Desvoidy (Diptera: Calliphoridae).  
Jour. Punj. Acad. Sci., 16-17 (1-2): 57-60
- 170) 2017 Genitalis studies of a moth, *Megacorma obliqua* (Lepidoptera : Sphingidae)  
Bionotes, 19(4): 145-147
- 171) 2018 Taxonomic studies on the genus *Calliphora* robineau-desvoidy (Diptera: Calliphoridae) from India  
Int. J. Entomol. Res, 3(1): 43-48
- 172) 2018 Taxonomic studies on Indian species of genus *Hemipyrellia* Townsend (Diptera: Calliphoridae)  
Int. J. Zool. St., 3(1): 165-168
- 173) 2018 *Morinia argenticincta*, An only fly species of *Morinia* known from the Oriental region (Diptera: Calliphoridae)  
Bionotes, 20(1): 22-23
- 174) 2018 Molecular studies on Indian mosquitoes (Diptera: Culicidae): A review  
Int. J. Entomol. Res, 3(2): 96-103

- 175) 2018 Taxonomic studies on *Bercaea cruentata*, *Lioproctia annandalei* and *Sarcosolomania kaushalensis* (Diptera: Sarcophagidae) of Indian origin  
J. ent. Res., 42(1): 113-120
- 176) 2018 Studies on Genus *Hippotion* Hübner (Sphingidae: Lepidoptera) from India  
J. ent. Res., 42(1): 129-134
- 177) 2018 Further studies on the moth, *Cricula trifenestrata* from North-West India (Lepidoptera: Saturniidae)  
Bionotes, 20(1): 15-17
- 178) 2018 Taxonomic studies on the genus *Catapicephala* Macquart (Diptera: Calliphoridae) from north-west India  
Imnt. J. Res. Biosciences, 7(2): 19-25
- 179) 2018 Taxonomic studies on the genus *Cosmina* Robineau-Desvoidy (Diptera: Calliphoridae) from North-West India  
Ann. Agri-Bio. Res., 23(1): 83-89
- 180) 2018 Taxonomic status of *Himala argentea* (Walker) (Lymantriidae: Lepidoptera) from India  
Ann. Entomol., 36(01): 27-30
- 181) 2018 Taxonomic status of *Imaus mundus* (Walker) (Lymantriidae: Lepidoptera) from India.  
J. Global Biosciences, 7(4): 5419-5422
- 182) 2018 Studies on three species of the genus *Rhycomya* Robineau-Desvoidy (Diptera: Calliphoridae) from north-west India  
J. Adv. Zool. 2018: 39(1): 37-46
- 183) 2018 *Tharacites abdominalis* (Fabricius): The only species belonging to genus *Tharacites* Brauer and Bergenstamm (Diptera: Calliphoridae) known from the Oriental region.  
J. ent. Res., 42(3): 417-419
- 184) 2018 Further studies on three species of genus *Euthrix* Meigen (Lepidoptera: Bombycoidea: Lasiocampidae) from north-west India.  
J. Env. Bio-Sci., 32(2): 279-283
- 185) 2018 Taxonomic studies on genus *Kunugia* Nagano (Lepidoptera: Bombycoidea: Lasiocampidae) from north-west India.  
Ann. Entomol., 36(2): 103-111

- 186) 2018 Morphotaxonomy, external genitalia and comparison of similarity coefficients with random amplification of polymorphic markers in the population of the population of *Eocanthecona furcellata* (Wolff) (Heteroptera: Pentatomidae: Asopinae) from North India  
Ann. Entomol.,36(1): 35-44
- 187) 2019\* *Bacopa monnieri* prevents colchicine-induced dementia by anti-inflammatory action  
Metab. Brain Dis., <https://doi.org/10.1007/s11011-018-0332-1> **USA**
- 188) 2019\* Traumatic Myiasis of the Scalp in a 3-year-old Patient- A Case of Neglected Health Care  
Mal. J. Med. Health Sci., 15(1): 89-91 **MALAYSIA**
- 189) 2019 Effect of lead acetate on the development of *Chrysomya megacephala* (Diptera: Calliphoridae) and implications for estimating postmortem interval  
Int. J. Curr. Adv. Res., 8(5): 18588-18592
- 190) 2019 Studies on three species of the genus *Trabala* Walker (Lasiocampidae: Bombycoidea: Lepidoptera) from North West India  
Ann. Entomol., 37(1): 19-27
- 191) 2019 Further studies on three moth genus *Paralebeda* Aurivillius (Lepidoptera: Bombycoidea: Lasiocampidae) from northwestern India.  
Journal of Threatened Taxa, 11(12): 14593-14598
- 192) 2019 Redescription of three species of genus *Stomorhina* Rondani (Diptera: Calliphoridae) from India  
Halteres, 10: 40-47
- 193) 2020 Review of two species of genus *Mustilizans* Yang (Lepidoptera: Bombycoidea: Bombycidae) from north-west India  
J. Bombay Nat. Hist. Soc., 117: 9-13
- 194) 2020 COI Gene: A Reliable Tool for Tracing the Phylogeny in Spingid Moths (Lepidoptera: Sphingidae).  
Agricultural Science Digest, 40(01): 27-33
- 195) 2020 Present status of the genus *Sphrageidus* Maes, 1984 (Lepidoptera: Erebidae: Lymantriinae) from India.  
Journal of Threatened Taxa, 12(9): 16153-16160

- 196) 2020 Molecular Phylogeny and Sequence Divergence in Stink Bugs of family Pentatomidae (Hemiptera: Heteroptera) inferred from analysis of Mitochondrial Cyt B Gene in India.  
International Journal of Pure and Applied Zoology, 8(1): 7-13
- 197) 2020 Intraspecific systematics of genus *Nazara* (Hemiptera: Pentatomidae) inferred from analysis of the mitochondrial Cyt B gene sequences.  
International Journal of Pure and Applied Zoology, 8(1): 14-16
- 198) 2020\* Assessment of water quality of Holy Kali Bein rivulet (Punjab) India, using multivariate statistical analysis.  
International Journal of Environmental Analytical Chemistry, DOI: 10.1080/03067319.2020.1817425 **ENGLAND**
- 199) 2020 Phylogenetic utility of nucleotide sequences of mitochondrial COI gene in Pentatomid bugs (Heteroptera: Pentatomidae)  
Jour.ent. Res., 44(3): 417-420
- 200) 2020 DNA barcoding as a tool supporting species identification and molecular phylogeny for Indian *Anopheles* (Diptera:Culicidae:Anophelinae)  
Jour.ent. Res., 44(3): 409-416
- 201)** 2020\* Cytochrome b sequence divergence and phylogenetic relationships among different species of family Pentatomidae (Hemiptera: Heteroptera).  
International Journal of Tropical Insect Science, <https://doi.org/10.1007/s42690-020-00303-8> **ENGLAND**
- 202) 2020 Studies on genus *Acosmeryx boisduval* (Sphingidae: Lepidoptera) from India  
Jour. ent. Res., 44(3): 433-438
- 203) 2020 Taxonomic account of four species of genus *Ilema* Moore, 1860 (Lepidoptera: Erebidae: Lymantriinae) with range extensions and new records from Indian Himalayas.  
Int. Jour. Entomol. Res., 5(6): 174-179
- 204) 2020 Molecular markers a valuable tool for species identification of insects- A review.  
Annals of entomology, 38(1-2): 1-20
- 205) 2020 A new combination of a tussock moth species under Genus *Himala* Moore (Lepidoptera: Erebidae: Lymantriinae) and its range extension  
Rec. zool. Surv. India, 120(4): 357-362

- 206) 2021\* Sensitivity in allergic asthmatic subjects towards house dust mite allergens.  
Systematic and Applied Acarology, 26(1): 75-84 **NEW ZEALAND**
- 207) 2021\* Application of COI gene for identification of some economically and forensically important muscid flies of India (Diptera: Muscidae)  
International Journal of Tropical Insect Science, 10.1007/s42690-021-00494-8 **ENGLAND**
- 208) 2021\* Further studies on genus *Artaxa* Walker (Lepidoptera: Erebidiae: Lymantriinae) from India  
Oriental Insects, 10.1080/00305316.2021.1939807 **USA**
- 209) 2021 Taxonomic studies on nine species of Genus *Calliteara* Butler (Lepidoptera: Erebidiae: Lymantriinae) with two new records from India  
J. Bombay Nat. Hist. Soc., 10.17087/jbnhs/2021/v118/154304
- 210) 2021 Studies on DNA barcoding of some Indian species of hawk moths (Lepidoptera: Sphingidae)  
Jour. Ent. Res., 45(1): 39-46
- 211) 2022 Studies on two species of genus *Rhagastis* Rothschild and Jordan (Sphingidae: Lepidoptera) from India.  
Ann. Entomol., 40(01): 1-5
- 212) 2023\* Insects in Forensic Investigations. In: Omkar (eds) Insects as service providers. Springer, Singapore. [https://doi.org/10.1007/978-981-19-3406-3\\_7](https://doi.org/10.1007/978-981-19-3406-3_7)
- 213) 2023\* Toxicity and bioremediation of the lead: a critical review  
International Journal of Environmental Health Research. DOI: 10.1080/09603123.2023.2165047

\* Published in International Journals

#### 24. General Articles

- 1) Return to Maggot Therapy  
Published in The Tribune, Chandigarh, dated, 9.2.1994
- 2) Insects and Investigations  
Published in The Tribune, Chandigarh, dated, 1.1.1999
- 3) Patiala - The Princely City  
Published in the souvenir of 5th International Symposium on Vectors and Vector Borne Diseases, Patiala, 16-18.2.2000
- 4) Forensic Entomology  
Continuing education programme, Recent advances in disease vector management  
Published by DRDE, Gwalior, 20-24.7.2009



## 25. Articles in Punjabi

- 1) ਆਰਥਿਕ ਵਿਕਾਸ-ਵਿਧੀ  
Presented at the 13th Punjabi Development Conference, March 28-30.1998 Punjabi University, Patiala
- 2) ਆਰਥਿਕ ਵਿਕਾਸ ਵਿਧੀ ਵਿਧੀ ਵਿਧੀ  
Presented at the 14th Punjabi Development Conference, January 13-15.1999 Punjabi University, Patiala
- 3) ਆਰਥਿਕ ਵਿਕਾਸ ਵਿਧੀ ਵਿਧੀ ਵਿਧੀ  
Published in The Punjabi Tribune, Chandigarh, dated 21.9.1999
- 4) ਆਰਥਿਕ-ਵਿਕਾਸ ਵਿਧੀ ਵਿਧੀ ਵਿਧੀ ਵਿਧੀ ਵਿਧੀ  
Published in The Punjabi Tribune, Chandigarh, dated 21.10.1999
- 5) ਆਰਥਿਕ ਵਿਕਾਸ ਵਿਧੀ ਵਿਧੀ ਵਿਧੀ  
Published in The Punjabi Tribune, Chandigarh, dated 4.11.1999
- 6) ਆਰਥਿਕ ਵਿਕਾਸ ਵਿਧੀ ਵਿਧੀ ਵਿਧੀ ਵਿਧੀ  
Published in The Punjabi Tribune, Chandigarh, dated 22.2.2000
- 7) ਆਰਥਿਕ ਵਿਕਾਸ ਵਿਧੀ ਵਿਧੀ ਵਿਧੀ ਵਿਧੀ  
Published in The Punjabi Tribune, Chandigarh, dated 8.8.2000
- 8) ਆਰਥਿਕ ਵਿਕਾਸ-ਵਿਧੀ ਵਿਧੀ ਵਿਧੀ Published in The Punjabi Tribune, Chandigarh, dated 14.9.2000
- 9) ਆਰਥਿਕ ਵਿਕਾਸ “ਵਿਧੀ” ਵਿਧੀ ਵਿਧੀ ਵਿਧੀ ਵਿਧੀ  
Published in The Punjabi Tribune, Chandigarh, dated 9.10.2000
- 10) ਆਰਥਿਕ ਵਿਕਾਸ ਵਿਧੀ ਵਿਧੀ-ਵਿਧੀ  
Published in The Punjabi Tribune, Chandigarh, dated 21.11.2000
- 11) ਆਰਥਿਕ ਵਿਕਾਸ ਵਿਧੀ ਵਿਧੀ ਵਿਧੀ  
Published in The Punjabi Tribune, Chandigarh, dated 30.1.2001
- 12) ਆਰਥਿਕ ਵਿਕਾਸ ਵਿਧੀ ਵਿਧੀ Included in “ਆਰਥਿਕ ਵਿਕਾਸ ਵਿਧੀ ਵਿਧੀ (ਆਰਥਿਕ ਵਿਕਾਸ ਵਿਧੀ ਵਿਧੀ ਵਿਧੀ)” Edited by Dr. B. S. Cheema and Dr. D.P. Singh; Published by Punjabi University, Patiala for undergraduate classes (2008)
- 13) ਆਰਥਿਕ ਵਿਕਾਸ-ਵਿਧੀ  
Included in “ਆਰਥਿਕ ਵਿਕਾਸ ਵਿਧੀ ਵਿਧੀ” edited by Dr. Jatinder Pal Singh; Published by Shiv Shakti Printers, Delhi (2010).