

**Name** : **Dr. Ghanshyam Kachhawa**  
**Post** : Assistant professor, M.Sc., PhD  
**Specialization** : Entomology (Biodiversity & Insect taxonomy)  
**Department** : Zoology, University of Rajasthan, Jaipur  
**Teaching experience** : 22 years (UG & PG)  
**Address (Local)** : Golden Nest, Plot- C121, Mangal Marg,  
Bapu Nagar, Jaipur-302015  
**Address (permanent)** : Shri Ram Niwas, Outside Sheetla Gate, Bikaner  
**Phone** : +919414055193/ 9783447847  
0141-2711158 (Office)  
**Email ID** : [garistotlekachhawa@gmail.com](mailto:garistotlekachhawa@gmail.com)  
: [gskachhawa2013@uniraj.ac.in](mailto:gskachhawa2013@uniraj.ac.in) (Official)  
<https://orcid.org> : 0000-0002-5380-9677



**IGNOU, New Delhi:** Translator for the Life Sciences study material

### **Conferences /Workshops/Seminars/Webinars:**

- Paper presentation titled “ *Apis florea*: Major Pollinator of Rabi Crop” in the **International Conference** on Recent Innovations & Applications in Multidisciplinary Scientific Research (ICRIAMSR) organized by Department of Lifelong Learning, University of Rajasthan, Jaipur on January 6-7, 2023.
- Paper presentation titled “Diversity and Foraging Behaviour of Carpenter Bee *Xylocopa fenestrata*” in **International conference** on Emerging Challenges, their Solutions and Recent Advances in Science and Technology organized by Sobhasaria Group of Institution, Sikar, Rajasthan on January 13-14,2023.
- Paper presentation titled “Diversity and Foraging Activity of Carpenter Bee *Xylocopa aestuans*” in National Seminar on Recent Trends In Scientific Research organized by Shri Krishna Mahavidyalaya, Govindgarh, Jaipur, Rajasthan on 19, January 2023.
- Paper presentation titled “Impact of COVID-19 on Diversity of Insect Pollinators of *Verbesina encelioides (Cavanilles) Bentham & Hooker (Asteraceae), in Rajasthan, India*” in **International Conference** on Multidisciplinary Approach towards Sustainable Development and Climate Change for a Viable Future (ICMSDC-2022) held at Raj Rishi Govt. Autonomous College, Alwar-301001 on August 12-14, 2022.
- Presentation titled “On Impact of Ozone Layer Depletion on Climate Change” in **International Seminar on Ozone Day (ISOCE-2022)** held at Raj Rishi Govt. Autonomous College, Alwar-301001 on September 16, 2022.
- Paper presentation titled “Pollination Probability of Insect Pollinators of *Cicer arietinum*” in the **International Conference** on Environmental Edification: Everywhere

for Everyone organized by Department of Lifelong Learning, University of Rajasthan, Jaipur on December 5-6, 2022.

- Paper presentation titled **“Diversity of Carpenter Bee (*Xylocopa fenestrata*) and Foraging activity on various crops in Chomu Tehsil, Rajasthan”** in National seminar on Life and Life Processes: Interdisciplinary Approach for Sustainable Development at Goa University (Goa) July 19, 2021.
- Presentation titled **“Changing Dimensions of Environment and Effect on Bee Biodiversity”** in National virtual seminar on Changing dimensions of environment and sustainable development at Mahatma Gandhi P.G. College, Shrimadhampur (Pandit Deendayal Upadhyay Shekhawati University) Sikar (RAJ) June 7, 2021.
- National seminar on “Talk with Scientist” Invited lecture on **“Basics of Bird watching”** at Department of Zoology, University of Rajasthan, Jaipur (Raj) May 10, 2021.
- National webinar on **Adolescent Health during COVID-19 Pandemic** (Indian Society for the Study of Reproduction and Fertility-ISSRF, University of Rajasthan, Jaipur, Rajasthan) September 19, 2020.
- International webinar on **Application on ICT in Higher Education during Covid-19 Pandemic** (IQAC & IGNOU Cell of Govt. Degree College, Kamalpur, Agartala) September 02, 2020.
- National webinar on Impact of Covid-19 on **Environment, Human & Biodiversity - NWICEHB-20** (Mahatma Gandhi P.G. College, Shrimadhampur, Sikar, Rajasthan) July 12, 2020.
- An **International conference** on **Emerging Challenges, Their Solutions and Recent Advances in Science** at (Govt. SK College, Sikar, Pandit Deendayal Upadhyay Shekhawati University, Sikar) October 4-5, 2019.
- National conference on **Climate Change: The Impact on Biodiversity and Global Health Security** at (Department of Botany, UOR, Jaipur) December 20-22, 2019.
- One day workshop on **Intellectual Property Rights Awareness and Training Programme-IPRATP-2018** (Department of Chemistry, UOR, Jaipur) February 24, 2018.
- National conference on **Recent Advances at Interfaces of Physical and Life Sciences-RAIPLS-2018** at (Department of Chemistry, UOR, Jaipur) July 6-7, 2018.
- National symposium on **Global Environmental Challenges: Present Scenario-GECPC-2017** at (Department of Botany, University of Rajasthan, Jaipur, India) January 21, 2017.
- **International conference** on **Environmental Awareness: Protection & New challenges** (St. Wilfreds PG College, Jaipur) Feb 3-4, 2017.
- National workshop on **Bio-informatics a practical approach** (Department of Zoology, Centre for Advanced Studies, University of Rajasthan, Jaipur-3002004, India) November 22-23, 2017.

- National seminar on **Cancer Prevention and Treatment Strategies** (Department of Zoology, Centre for Advanced Studies, University of Rajasthan, Jaipur-3002004, India) December 22-23, 2017.
- Workshop on **Social Relevance of Research** at (Human Resource Development Centre, University of Rajasthan, Jaipur, India) February 15, 2016.
- 3<sup>rd</sup> Rastriya Hindi Vigyan Sammelan-Oral presentation on **“Effect of Plant Extract Containing Vitamin A & C on Lens Regeneration”** at (University of Rajasthan, Jaipur, India) December 16-17, 2016.
- National workshop on **Applications of Computational Tools in Medicine & Biology (NWMB-2015)** at (Department of Zoology, Centre for Advanced Studies, University of Rajasthan, Jaipur-3002004, India) January 24, 2015.
- National conference on **Environmental impact on Health and Its Management: Eco-friendly Strategies** and XXVII all India congress of zoology at (Department of Zoology, Centre for Advanced Studies, University of Rajasthan, Jaipur-3002004, India) February 8-10, 2015.
- National workshop on **Biomedical Instruments & Technologies (NWBIT-2015)** at (Department of Zoology, Centre for Advanced Studies, University of Rajasthan, Jaipur-3002004, India) March 13-14, 2015.
- National conference on **herbal medicine current strategies & future prospects** (Department of Zoology, Centre for Advanced Studies, University of Rajasthan, Jaipur-3002004, India) December 22-24, 2015.
- National seminar on **Environmental Conservation and Sustainable Development: Issues and Challenges at** (Indira Gandhi Centre for Human Ecology, Environmental and Population Studies, University of Rajasthan, Jaipur, India) June 05, 2014.
- Symposium on **AIDS: Awareness, Prevention & Challenges** at (Department of Zoology, Centre for Advanced Studies, University of Rajasthan, Jaipur-3002004, India) December 1, 2014.
- National seminar on **Ecotoxicology, Impacts and Challenges on Biodiversity** at (department of zoology, Vinodini P.G. College, Khetri, Jhunjhunu, India) February 26-27, 2011.

### **Training programs:**

- UGC sponsored **Orientation program- OP119** (22 June to 18 July, 2015) at Human Resource Development Centre, Himachal University, Shimla-171005 (HP) India.
- UGC sponsored **Refresher Course- RC295** (22 August to 10 September, 2016) at Human Resource Development Centre, Himachal University, Shimla-171005 (HP) India.
- UGC sponsored **Refresher Course** (04, August to 18, August, 2023)- Human Resource Development Centre, Kumaun University, Nainital-263001, India.

- Faculty Development Program on **Environmental Impacts of Covid-19 Pandemic: Challenges and Future Research** (Guru Gobind Singh Indraprastha University, Delhi) May 27, 2020 to June 1, 2020.

### Sports training programs:

- **Basic mountaineering course (190)** at Himalayan mountaineering institute, Darjeeling -734101(WB) India from 20 September to 17 October 1995 with “A” grade.
- **Advance mountaineering course (117)** Himalayan mountaineering institute, Darjeeling -734101(WB) India from 15 September to 12 October 1996 with “A” grade.
- UGC sponsored **Adventure Program** at Mount Abu, Rajasthan, India from 25 July to 29 July 1995.

### Membership:

- Life membership of **Indian Science Congress Association**, Kolkata-700017

### Book Published:

- **Developmental Biology (Parivardhan Jaiviki), Z-79** Rastogi publication, Meerut. ISBN:819377574-0

### Edited books:

- **“Global Issues: Sustainable Development, Biodiversity and Human Interference”** Sakshi Publishing House, Jaipur. ISBN: 9789384232900

### Book chapters:

- Kachhawa G.S. (2022). **“Study of Lens Regeneration in the Tadpoles and Froglets of *Rana cyanophlyctis* under the influence of Vitamin-A”** in the edited book titled: New Horizons in Life Science, Vital Biotech Publication, Kota, Rajasthan, India. pp. 37-42, ISBN: 978-93-92953-00-2
- Charan S.K., Kachhawa G.S., Choudhary R.D. (2021). **“Bio-Diversity of Apidae Bees (Hymenoptera: Apidea) in and Around Jaipur District, Rajasthan, India”** in the edited book titled: Biodiversity and Conservation, Sunrise Publisher, Jaipur (Raj) India. pp. 161-170, ISBN: 978-93-90778-30-0
- Kachhawa G.S. (2022). **“Bees an Exquisite Creature”** in the edited book titled: Bharat ke badlte aayaam, Indian Publishing House, Jaipur, Rajasthan, India. pp. 291-297, ISBN: 81-8289-084-5.
- Kachhawa G.S., Gareema, Sharma P, Chouhan B. (2023). **“Effect of Artificial Light At Night (ALAN) on the Ecosystem”** in the edited book titled: Global Issues: Sustainable Development, Biodiversity and Human Interference, Sakshi Publication House, Jaipur, pp. 103-116. ISBN: 978-93-84232-90-0.
- Kachhawa G.S., Gareema, Sharma P., Chouhan B. (2023). **“Biodiversity Loss and Human Industrialization”** in the edited book titled: Global Issues: Sustainable Development, Biodiversity and Human Interference, Sakshi Publication House, Jaipur, pp. 87-102, ISBN: 978-93-84232-90-0.

- Kachhawa G.S., Gareema, Sharma P., Chouhan B. (2023). “**Bioremediation of Textile Dye Effluent: An Effective Eco-Sustainable Approach for Restoration of Polluted Environment**” in the edited book titled: Global Issues: Sustainable Development, Biodiversity and Human Interference, Sakshi Publication House, Jaipur, pp. 172-200. ISBN: 978-93-84232-90-0.

### **Administrative Responsibilities**

- **Proctor (2014-2016):** University Maharaja College, Jaipur an constituent college of University of Rajasthan, Jaipur
- **Associate Proctor (2019): VC Secretariat,** University of Rajasthan, Jaipur
- **Co-convener of Examination Cell Coding Team (2019):** University of Rajasthan, Jaipur
- **Member of Examination Cell Coding Team (2015-2021):** University of Rajasthan, Jaipur
- **Associate Dean Student Welfare (ADSW) 2017-2019:** University of Rajasthan, Jaipur
- **Associate Dean Student Welfare (ADSW) 2021-2022:** University of Rajasthan, Jaipur
- **Proctor: Department of Lifelong Learning (2023):** University of Rajasthan, Jaipur
- **Member, Flying Squad Committee (2015-2023):** University of Rajasthan, Jaipur

### **Conference organized:**

- **International Conference on Environmental Edification: Everywhere for Everyone** (5-6<sup>th</sup> December, 2022) at Department of Lifelong Learning, University of Rajasthan, Jaipur-302004 as **Co-Organizing secretary**.
- **International Conference on Recent Innovations and Applications in Multidisciplinary Scientific Research** (6-7<sup>th</sup> January, 2023) at Department of Lifelong Learning, University of Rajasthan, Jaipur-302004 as **Convener** of the conference.
- **International conference on Emerging Challenges, their Solutions and Recent Advances in Science and Technology** (13-14<sup>th</sup> January, 2023) organized by Government S.K. College, Sikar at Sobhasaria Group of Institution, Sikar, Rajasthan as **Co-Organizing secretary**.

### **Workshop Organized**

- **Two Days National Workshop on IPR Edification: Creative & Innovative India** (January 30-31, 2023) at Department of Lifelong Learning, University of Rajasthan, Jaipur-302004 as **Co-Organizing secretary**.

### **Paper Publication:**

1. BIO-DIVERSITY OF BEES (HYMENOPTERA: APOIDEA) IN WESTERN RAJASTHAN, INDIA AND ITS METHODS OF CONSERVATION. **National Workshop on Skilled**

**Based Entomology** organized at Department of Zoology, University of Rajasthan, Jaipur. Book chapter published by Ideal International E-Publication Pvt.Ltd. ISBN: 978-93-89817-16-4.

2. Kachhawa G.S., Charan S.K., Nagar P. (2020). **The Foraging activity of Carpenter bee, *Xylocopa fenestrata* on the major crops of Eastern Rajasthan, India.** Flora and Fauna, 26: 329-335. ISSN 2456-9364 (Online), ISSN 0971-6920 (Print).  
<https://doi.org/10.33451/florafauna.v26i2pp329-335>.
3. Charan S.K., Kachhawa G.S., Naval S. (2020). **Record of Insect Pollinators, their diversity, richness and abundance on *Calotropis procera* (ALT.) R.Br. in the Desert of Thar in Rajasthan, India.** International Journal of Entomology Research. 5 (6) 183-188. ISSN 2455-4758.
4. Kachhawa G.S., Choudhary R.D., Charan S.K. (2020). **Diversity and Pollination Probability of Insect Pollinators of *Tagetes erecta* L. in the Chomu Tehsil, Rajasthan, India.** International Journal of Entomology Research. 5 (6): 106-110. ISSN 2455-4758.
5. Kachhawa G.S., Meena R.K., Charan S.K. (2021). **Natural insecticide plants: *Tephrosia purpurea* (L.) Pers and *Trichodesma amplexicaule* Roth in ecological relationship with Hymenopteran pollinators in the Thar Desert of Rajasthan, India.** International Journal of Botany Studies, 6(3): 761-766. ISSN2455-541X.
6. Kachhawa G.S., Charan S.K. (2022). **Impact of COVID-19: Hymenopteran pollinator diversity and its abundance on *Verbesina encelioides* (Cavanilles) Bentham & Hooker (Asteraceae), in the Sub-Tropical Desert of Thar in Rajasthan, India.** Uttar Pradesh Journal of Zoology, 42(24): 653-666. ISSN: 0256-971X.
7. Kachhawa G.S., Charan S.K., Chouhan B. (2022). **Temporal Dynamics in the Species Composition, Diversity Entropy and Foraging Activity of Butterflies (Insecta, Lepidoptera) in the Aravalli Region of Jaipur, Rajasthan.** Journal of Environment and Bio-Sciences, 35(2): ISSN: 0973-6913.
8. Kachhawa G.S., Charan S.K., Chouhan B. (2022). **The comparative study of Species composition, Diversity of Mosquitoes [Diptera: Culicoidea (Meigen, 1818)] in the Eastern and Western regions of India.** International Journal of Mosquito Research, 9(1): 105-109. ISSN: 2348-5906.
9. Gaur R.R., Garg P., Kachhawa G.S. (2022). **Identification of insects order by estimating M-Polynomial and topological indices (Zagreb index, Harmonic index and Inverse index).** International Journal of Entomological Research, 7(8): 115-124. ISSN: 2455-4758.
10. Kachhawa G.S. (2022). ***Apis florea* (Fabricius), A Dwarf Honey Bee [Insecta, Hymenoptera Apoidea, Apidae] as major forager in the North Eastern region of Rajasthan.** Flora and Fauna, 28(2): 333-340. ISSN: 2456-9364.

11. Kachhawa G.S., Chauhan B., Gareema (2023). **An Assessment of Planktonic Diversity and Abundance in the Man Sagar lake, Jaipur, India.** CIBTech Journal of Zoology, 12: 80-87. ISSN: 2319-3883.
12. Kachhawa G.S. (2023). **“DNA Barcoding A Review: Modern Tool for Species Identification of Species”.** CIBTech Journal of Zoology, 12: 144-155. ISSN: 2319-3883.