

## CURRICULUM VITAE

**Dr. ASHOK KUMAR**

Research Associate

RUSA Project 2.0 (27)

Department of Zoology

University College of Science

Mohanlal Sukhadia University, Udaipur, Rajasthan

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### **ACADEMIC PROFILE:**

Degree/Exam	University/ Board	Duration	Subject	% marks
PhD	MLSU, Udaipur	16 April, 2015 to 03 February, 2021	Medical Entomology & Microbiology	Awarded
M.Sc.	VMOU, Kota	2015-17	Zoology with Entomology	70.20
M.Sc.	JNU, Jaipur	2010-12	Microbiology	71.04
B.Sc.	MLSU, Udaipur	2007-10	Bio-Technology	55.43
Senior Secondary	RBSE, Ajmer	2005	Physics, Chemistry & Biology	76.77
Secondary	RBSE, Ajmer	2003	General	69.67

### **PROFESSIONAL SYNOPSIS:**

Experience	7 Year Experience in area of Research & development and 6 years in teaching.
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<b>Experience as Research Assistant</b>	<b>O4 Years (Experience of testing of Repellent Products of Godrej Consumer Products, Pvt. Ltd.)</b>
<b>Publications</b>	<b>16 papers Various National, International and conference proceedings (02 is communicated), 02 Chapters and 01 Patent.</b>
<b>Conferences and Seminars Attended</b>	<b>20</b>
<b>Trainings&amp; Workshops</b>	<b>10</b>

**TEACHING & ORGANISATIONAL EXPERIENCE:**

<b>S. No.</b>	<b>University/Institute</b>	<b>Designation</b>	<b>Year/period</b>
1.	Dept. of Zoology, UCOS, MLSU, Udaipur	Research Associate	12 January, 2021 to till date
2.	Dept. of Entomology RCA, MPUAT, Udaipur	Senior Research Fellow	13 July, 2020 to 12 January, 2021
3.	Mohanlal Sukhadia University, Udaipur	As PhD Research Scholar or Guest Faculty in Department of Zoology (UG student of Zoology)	August, 2015 to January, 2016, August, 2016 to January, 2017 and August, 2018 to January, 2019, August, 2019 to January, 2020 and September, 2020 to February, 2021 and July, 2021 to till date (06 Years)
4.	RNT PG College, Kapasan Chittorgarh	As Assistant Professor	1 <sup>st</sup> February, 2020 to 11 <sup>th</sup> January, 2021 (11 Months 15 Days)
5.	Aravali Institute of Paramedical Sciences, Udaipur	As Faculty for Diploma in Medical Laboratory Technology and	15 September, 2017 to 31 January, 2020 (2 Years 4 months 15 days)

6.	Aravali Hospital, Udaipur	As Infection Control Officer for Quality Accrediation	15 September, 2017 to 31 January, 2020 (2 Years 4 months 15 days)
7.	RNT PG College, Kapasan Chittorgarh	As Assistant Professor	July 2015 to March 2016 (01 years)

### AWARDS:

- 1. Third award** in oral presentation in Student Parliament (On the Occasion of Malaria Day (25<sup>th</sup> April, 2021) entitled “**Insecticide Resistance Mapping Techniques for Malaria Vectors**” Organized by Laboratory of Public Health Entomology, Department of Zoology, University College of Science, Mohanlal Sukhadia University, Udaipur.
- 2. Awarded by Junior Scientist Award** in National e- Symposium entitled on topic ‘**Challenges for immunity Booster & Herbal Remedies Against Covid-19 and Its Vaccine Development- 2020**’ organized by Kalp Laboratories, Mathura Co-organized by Plant Research & Educational Promotion Society Jointly Organized by Hindustan Agriculture Research Welfare Society, Agra International Biotech Technician & Consultants Association, Delhi, Dated- June 27-28, 2020
- 3. First award** in oral presentation in National Symposium entitled on topic ‘**Multilateral Initiatives Against Arboviral Diseases (NSAD-2020)**’ organized by Laboratory of Public Health Entomology, Department of Zoology, University college of Science, Mohanlal Sukhadia University, Udaipur, Dated- January 04-06, 2020.
- 4. First award** in poster presentation in National Conference entitled on topic ‘**Tribal Health in relation to Vector borne and Parasitic diseases: Addressing multi sectoral actions**’ organized by Department of Zoology, University college of Science, Mohanlal Sukhadia University, Udaipur, Dated- December 17-18, 2018.
- 5. Third award** in oral presentation on title “To Study the Surveillance of *Aedes aegypti* (L.) Mosquitoes in Southern Rajasthan (India) of Udaipur District to Monitor Potential Global Health Risks” in International Conference on Eco Friendly and Socially Responsive Economy and Equity: Issues and Challenges of 21st Century for Emergent Sustainable Development amongst SAARC Countries (SAARC ECUBE-17). Dated- January 9-11, 2017, organized by Department of Zoology, University College of Science, MLSU,

Udaipur and Deccan Education Society's, Kirti M. Doongursee College, University of Mumbai, Mumbai.

### **ACHIEVEMENTS:**

1. **Co-coordinated** & participated in Student Parliament entitled “Mosquito Control: Past, Present and Future” on the Occasion of World Malaria Day (25<sup>th</sup> April, 2021) Organized by Laboratory of Public Health Entomology, Department of Zoology, University College of Science, Mohanlal Sukhadia University, Udaipur.
2. **Coordinated** & attended National Workshop cum Training on Genome editing CRISPR and DNA fingerprinting conducted by Department of Zoology, University College of Science, Mohanlal Sukhadia University, Udaipur (Raj.) in collaboration with Wetlab Championship and Shaastra (IIT Madras Event) on 13<sup>th</sup>& 14<sup>th</sup> September 2019.
3. **Zoological Survey of India and Botanical Survey of India** selected me as a poster presentation participant in **National Workshop entitled on topic ‘Recent Trends in Taxonomy’ Held at Jodhpur, Rajasthan (India) dated- 10-11, January, 2019.**
4. Act as a **Resource person** (Giving hands on training) in workshop, **Forensic Entomology: Role of insects in Forensics.** Organized by Dept. of Zoology, University College of Science, Mohanlal Sukhadia University, Udaipur, Rajasthan, Dated- December, 21-22, 2017.
5. **Gave hands on training** in workshop, HELP YOURSELF, A self-management cum awareness workshop on environment and disease management. Organized by Dept. of Zoology, University College of Science, Mohanlal Sukhadia University, Udaipur, Rajasthan, Dated- April, 27, 2017.
6. Department of Zoology, UCOS, MLSU selected me as a **representative** for presentation of project on entitled “**Solid waste management through Vermi technology**” in Jaipur Festival of Education organized by Department of Higher Education, Government of Rajasthan, at JECC, Sitapura, Jaipur, Rajasthan, Dated- August, 5-6, 2017.

### **TRAININGS**

- Participated in Two days hands on training on “**Vermi-biotechnology and Mushroom Cultivation**” on 26<sup>th</sup> to 28<sup>th</sup> February, 2022 organized by Laboratory of Public Health Entomology, Department of Zoology, Mohanlal Sukhadia University, Udaipur.
- Participated in Two Weeks Hands on Training Programme **on Capacity Building and Entrepreneurship in Public Health** “Centre for Public Health Innovation and

Incubation (CEPHH)” from 6<sup>th</sup> December, 2021 organized by Laboratory of Public Health Entomology, Department of Zoology, Mohanlal Sukhadia University, Udaipur (Rajasthan) under Rashtriya Uchchatar Shikha Abhiyan (RUSA 2.0 Career Hub).

- Participated in Two Days Workshop on **RESEARCH METHODOLOGY**, Organized by Office of Research Representative, Central Students Union, Mohanlal Sukhadia University, Udaipur, Rajasthan, Dated- January, 28-29, 2020.
- Participated in workshop on **Research Methodology**, Organized by Office of Research Representative, Central Students Union, Mohanlal Sukhadia University, Udaipur, Rajasthan, dated- January, 4-5, 2019.
- Participated in **National Workshop entitled on topic ‘Recent Trends in Taxonomy’** Held at Jodhpur, Rajasthan (India) organized by Zoological Survey of India and Botanical Survey of India dated- 10-11, January, 2019.
- Participated in National Workshop cum Training on **Genome editing CRISPR and DNA fingerprinting** conducted by Department of Zoology, University College of Science, Mohanlal Sukhadia University, Udaipur (Raj.) in collaboration with Wetlab Championship and Shaastra (IIT Madras Event) on 13<sup>th</sup>& 14<sup>th</sup> September 2019.
- Participated in 15 days Virtual Internship on **Chromatography and Molecular Biology Techniques** organized by Learn to upgrade and Wetlab Championship.
- Participated in workshop, **Forensic Entomology: Role of insects in Forensics**. Organized by Dept. of Zoology, University College of Science, Mohanlal Sukhadia University, Udaipur, Rajasthan, Dated- December, 21-22, 2017.
- Participated in workshop, **HELP YOURSELF, A self-management cum awareness workshop on environment and disease management** organized by Dept. of Zoology, University College of Science, Mohanlal Sukhadia University, Udaipur, Rajasthan, Dated- April, 27, 2017.
- Participated in workshop, **Workshop On E-Resources**. Dated- February 20-28,2017, organized by University Central Library, Mohanlal Sukhadia University, Udaipur, Rajasthan.
- **Completed, Rajasthan State Certificate in Information Technology (RS-CIT)** of Rajasthan Knowledge Corporation Limited in **March, 2014 with 64%** from Vardhaman Mahaveer Open University, Kota including following topics: -
  - MS Office – MS-Excel, MS-Word, Power Point
  - Photoshop, Coral draw, Microsoft office publisher
  - Internet Surfing

### **TRAINING GIVEN BY FOLLOWING ENTOMOLOGIST UNDER DIPLOMA IN PUBLIC HEALTH ENTOMOLOGY:**

1. Dr. B.K Tyagi (Ex Director CRME, Chennai)
2. Dr. R.S. Sharma (Ex Additional Director NVBDCP& NCDC Delhi)
3. Dr. Vijay Veer (Ex Director, DRDO)
4. Dr. N.P. Singh (Ex. Head Department of Zoology & Scientist Emeritus Uni. Of Rajasthan, Jaipur).

**PhD Research work Topic:** “Bacterial bio pesticide as an urgent alternate tool of vector control against insecticide resistance development in dengue vector *Aedes aegypti* (L.)”.

**Research Objectives: -**

1. Surveillance of Dengue vector *Aedes aegypti* (L.) in Udaipur district of Southern Rajasthan.
  2. Survey of commonly used insecticides and their use against dengue vector control.
  3. Determination of current status of resistance against used insecticides in adult and larval stages of *Aedes aegypti* (L.) in Udaipur district.
  4. Screening of bacterial bio pesticide against *Aedes aegypti* (L.).
  5. Formation and implementation of module for use of bacterial biopesticide in the field for control of *Aedes aegypti* (L.).
- **Ph.D. Registration No.** F/DPGS/R\_letter//MLSU/2016/14757
  - **Ph.D. Joining Date:** 16/04/2015
  - **Ph.D. Submission Letter No.-** F/DPGS/Thesis Submission Certificate/MLSU/2020/686
  - **Ph.D. Award Date:** 03/02/2021
  - **Ph. D Provisional Certificate No.-** 3917

**Completed Six months M.Sc. dissertation work entitled “Qualitative and Quantitative estimation of valuable minerals and acids in *Trichoderma*” under the supervision of Ms. Meenal Dixit Lecturer, Jaipur National University, Jaipur (Rajasthan) in 2012.**

The work includes following estimations: -

- Phosphate solubilization
- Indole Acetic acid (IAA) production
- Hydrogen Cyanide (HCN) production
- Ammonia (NH<sub>3</sub>) production
- Siderophore production

**EDITORIAL ASSIGNMENT:**

- **Member** of Advisory committee of **Two Days Workshop on RESEARCH**

## **METHODOLOGY.**

- **Member** of Editorial team of **Abstract Cum Souvenir book of National Symposium** entitled on topic ‘Multilateral Initiatives Against Arboviral Diseases (NSAD-2020)’.
- **Co-coordinated** the Student Parliament entitled “Mosquito Control: Past, Present and Future” on the Occasion of **World Malaria Day (25<sup>th</sup> April, 2021)**.
- **Coordinated** National Workshop cum Training on **Genome editing CRISPR and DNA fingerprinting** conducted by Department of Zoology, University College of Science, Mohanlal Sukhadia University, Udaipur (Raj.) in collaboration with Wetlab Championship and Shaastra (IIT Madras Event).
- **Member** of Editorial team of **Abstract Cum Souvenir book of National Conference** entitled on topic ‘Tribal Health in relation to Vector borne and Parasitic diseases: Addressing multi sectoral actions’ (VECTOPAT).
- **Member** of Editorial team of **Abstract book and Proceedings of International Conference** on Eco Friendly and Socially Responsive Economy and Equity: Issues and Challenges of 21st Century for Emergent Sustainable Development amongst SAARC Countries (SAARC ECUBE-17).
- **Member** of Local Organizing Committee of Workshop, **HELP YOURSELF, A** self-management cum awareness workshop on environment and disease management.
- **Member** of Local Organizing Committee of Workshop, **Forensic Entomology: Role of insects in Forensics.**

## **RESEARCH EXPERTISE:**

- **Morphological & Molecular Identification of Anopheline, *Aedes* and Culex mosquitoes**
- **General Laboratory and Field techniques related to Medical Entomology and research.**
- **General knowledge of resistance mapping techniques.**
- **Maintenance of Rodent malaria parasite (*Plasmodium yoelli*).**
- **Anti-malarial testing of Plant Products in rodents.**
- **Larvicidal efficacy of Plant Products in Lab and Field**
- **Handling of general molecular laboratory techniques like- DNA Isolation, PCR, Gel-Electrophoresis, ELISA.**
- **General Microbiological techniques**
- **Chemical and Microbiological water testing**

## PUBLICATIONS:

### PAPERS: -

Papers Details	
1.	Arti Prasad, Devendra Kumar, <b>Ashok Kumar</b> , Saha Dev Jakhar and Ajay Kumar Kumawat: Three Days Extensive Survey of Malaria, Dengue and Chikungunya Mosquitoes in The Capital of Rajasthan, India. <i>International Journal of Life science and Pharma Research</i> . ISSN: 2250-0480, Volume 12.; Issue 3; May 2022, Page No. L 128-135. DOI:- 10.2237/ijpbs/lpr.2022.12.3L128-135.
2.	Nilofer Syed, <b>Ashok Kumar</b> , Sujoita Purohit, Arti Prasad: Efficacy of botanical and microbial fungal bio-pesticide against a key pest of <i>Helicoverpa armigera</i> (Hubner). <i>International Journal of Entomology Research</i> . ISSN: 2455-4758, Volume 7; Issue 2; February 2022, Page No. 93-100. Link:- <a href="https://www.entomologyjournals.com/archives/2022/vol7/issue2">https://www.entomologyjournals.com/archives/2022/vol7/issue2</a>
3.	<b>Ashok Kumar</b> and Arti Prasad: Surveillance of Dengue Vector, <i>Aedes aegypti</i> (L.) mosquitoes in Udaipur district of South Rajasthan (India): <i>Bulletin of Pure and Applied Sciences Section A- Zoology</i> . ISSN: 0970-0765 (Print), 2320-3188 (Online) Impact Factor: 6.994, Volume 40A; Issue 2; July-January 2021; Page No. 238-249. DOI:- 10.5958/2320-3188.2021.00028.0
4.	Arti Prasad, <b>Ashok Kumar</b> , Girish Kumar Kalal and Naresh Kothari*: Cow Urine: Opportunity for SARS-CoV-2 (COVID-19) Management: Proceedings of International Virtual Conference on "Present Status and Future Trends in Entomological and Wildlife Studies: an Emerging Platform for Zoologists" (PENWI-21). Vol.- I, ISBN: 978-81-7906-000-0(2021): 49-54.
5.	Nilofer Syed*, <b>Ashok kumar</b> , Bhavika Nandwana, Naresh Kumar and Arti Prasad: Entomopathogenic Fungi <i>Beauveria bassiana</i> (Balsamo): An Important Tool for Control of Adult of <i>Helicoverpa armigera</i> (Hubner) (Lepidoptera: Noctuidae). Proceedings of International Virtual Conference on "Present Status and Future



	Trends in Entomological and Wildlife Studies: an Emerging Platform for Zoologists" (PENWI-21). Vol.- I, ISBN: 978-81-7906-000-0(2021): 55-61.
6.	Arti Prasad, Sanjay Kumar Meena*, Suman and <b>Ashok Kumar</b> : Forensic Entomology: Role of Insects as Crime Indicators. Proceedings of International Virtual Conference on "Present Status and Future Trends in Entomological and Wildlife Studies: an Emerging Platform for Zoologists" (PENWI-21). Vol.- I, ISBN: 978-81-7906-000-0(2021): 62-65.
7.	Paper is accepted in Materials Today: Proceedings (Elsevier) Journal entitled "Qualitative and quantitative estimation for phosphate solubilizing ability of <i>Trichoderma</i> isolates: A natural soil health enhancer" by A. Prasad <sup>a</sup> , M. Dixit <sup>b</sup> , S.K. Meena <sup>c</sup> , Suman <sup>d</sup> , <b>A. Kumar<sup>e*</sup></b> . <b>DOI:-</b> <a href="https://doi.org/10.1016/j.matpr.2021.03.305">10.1016/j.matpr.2021.03.305</a>
8.	Paper is communicated in International Journal of Tropical Insect Science entitled "Field Evaluation of Bacterial Biopesticide <i>Streptomyces indiansis</i> (strain LMG19961) susceptibility against dengue vector: <i>Aedes aegypti</i> (L.) by Ashok Kumar and Arti Prasad.
9.	Paper is communicated in Journal of Asia- Pacific Entomology entitled- " <i>Beauveria bassiana</i> (Balsoma), a fungal biopesticide against cuticular Histoarchitecture of <i>Helicoverpa armigera</i> (Hubner) the gram pod borer". by Arti Prasad, Ashok Kumar and Nilofer Syed.
10.	<b>Ashok Kumar<sup>a*</sup></b> , Divya Shrivastava <sup>b</sup> , Meenal Dixit <sup>c</sup> , Sanjay Kumar Meena <sup>d</sup> , Suman <sup>e</sup> and Arti Prasad <sup>f</sup> . <i>Trichoderma</i> : A Plant Growth Promoting Fungi. Gorteria Journal. ISSN: 0017-2294. Volume 34; Issue 6; 2021; Page No.- 60-76. Link:- <a href="https://gorteria.com/trichodermaa-plant-growth-promoting-fungi/">https://gorteria.com/trichodermaa-plant-growth-promoting-fungi/</a>

11.	Arti Prasad and <b>Ashok Kumar</b> : Surveillance of Commonly Used Insecticides to Control Dengue Vector <i>Aedes aegypti</i> (L.) in Udaipur District of Southern Rajasthan: Ideal International E- Publication Pvt. Ltd. (Souvenir of National Workshop on Skill based Entomology). ISBN: 978-93-89817-16-4. Volume 1; January 2020; Page No.- 13-18. Link:- <a href="http://www.isca.co.in/SOUV_PROC/conference/ISBN%20978-93-89817-16-4%20s.pdf">http://www.isca.co.in/SOUV_PROC/conference/ISBN%20978-93-89817-16-4%20s.pdf</a>
12.	Arti Prasad <sup>1</sup> and <b>Ashok Kumar</b> <sup>2*</sup> : Susceptibility status of dengue vector <i>Aedes aegypti</i> (L.) against various larvicides and insecticides in Udaipur district of Southern Rajasthan, India. <i>International Journal of Entomology Research</i> .ISSN:2455-4758 Impact Factor: RJIF 5.24, Volume 5; Issue 1; January 2020; Page No. 74-77. Link- <a href="http://www.entomologyjournals.com/archives/2020/vol5/issue1/5-1-23">http://www.entomologyjournals.com/archives/2020/vol5/issue1/5-1-23</a>
13.	Arti Prasad and <b>Ashok Kumar</b> : Larvicidal Potential of Strain <i>Streptomyces indiaensis</i> (Actinobacteria group) Against Dengue Mosquito <i>Aedes Aegypti</i> (L.) (Insecta: Diptera: Culicidae). <i>Indian Journal of Applied Zoology</i> . ISSN: 0970-9509, Volume 32; Issue 02; December 2018; Page No. 67-71. Link- <a href="https://www.entomologyresearchjournal.com/published-papers/abstracts-show/Volume%2032,%20Number%202%20(paper%2003%202018%20)/263.html">https://www.entomologyresearchjournal.com/published-papers/abstracts-show/Volume%2032,%20Number%202%20(paper%2003%202018%20)/263.html</a>
14.	Azra Parveen, <b>Ashok Kumar</b> and Arti Prasad: Larvicidal Efficacy of <i>Moringa oleifera</i> Lam. Leaves and flowers against larvae of important human malaria vector <i>Anopheles stephensi</i> Liston (Insecta: Diptera: Culicidae). <i>Proceedings of Eco Friendly and Socially Responsive Economy and Equity: Issues and Challenges of 21st Century for Emergent Sustainable Development amongst SAARC Countries (SAARC ECUBE-17). Vol.-II</i> , ISBN: 978-81-301-0084-5(2017): 01-08.
15.	Devendra Kumar, <b>Ashok Kumar</b> & Arti Prasad:Community Knowledge, Attitude and Practice towards Vector-borne diseases (Malaria) in Tribal belts of Rajasthan (India): A Review. <i>Proceedings of Eco Friendly and Socially Responsive Economy and Equity: Issues and Challenges of 21st Century for Emergent Sustainable</i>

	<i>Development amongst SAARC Countries (SAARC ECUBE-17)</i> . ISBN: 978-81-301-0082-1(2017): 76-85.
16.	Azra Parveen, <b>Ashok Kumar</b> , Megha Shrivastava and Arti Prasad: Comparative susceptibility of karyotype profile of vector ( <i>Anopheles stephensi</i> L) and non-vector ( <i>Anopheles annularis</i> W) Anopheline mosquito fauna against herbal biopesticide ( <i>Moringa oliefera</i> Lam.). <i>Proceedings of Eco Friendly and Socially Responsive Economy and Equity: Issues and Challenges of 21st Century for Emergent Sustainable Development amongst SAARC Countries (SAARC ECUBE-17)</i> . ISBN: 978-81-301-0082-1(2017): 67-75.
17.	Azra Parveen, <b>Ashok Kumar</b> , Arti Prasad: Cytogenetic analysis of salivary gland chromosomes of <i>Culex quinquefasciatus</i> (Diptera: Culicidae). <i>International Journal of Advanced Research and Development</i> . ISSN: 2455-4030, Impact Factor: RJIF 5.24. Volume-1; Issue 12; December 2016; Page No. 01-04. Link- <a href="http://www.advancedjournal.com/archives/2016/vol1/issue12/1-11-17">http://www.advancedjournal.com/archives/2016/vol1/issue12/1-11-17</a>
18.	Arti Prasad, Azra Parveen and <b>Ashok Kumar</b> : Evaluation of Complete Protection Time and Repellency Testing of Mosquito Repellent Gel 248005 and Gel 248040 against Dengue Vector Mosquito, <i>Aedes aegypti</i> (Diptera: Culicidae). <i>Proceedings of Eco Friendly and Socially Responsive Economy and Equity: Issues and Challenges of 21st Century for Emergent Sustainable Development amongst SAARC Countries (SAARC ECUBE-17)</i> . Vol.-II, ISBN: 978-81-301-0084-5(2017): 86-94.
19.	<b>Ashok Kumar</b> , Arti Prasad and Trigunayat Kritika: Repellency of Mosquito Repellent Patch and Roll ON Against Dengue Vector Mosquito, <i>Aedes aegypti</i> (L). (Diptera: Culicidae). <i>Proceedings of Eco Friendly and Socially Responsive Economy and Equity: Issues and Challenges of 21st Century for Emergent Sustainable Development amongst SAARC Countries (SAARC ECUBE-17)</i> . ISBN: 978-81-301-0082-1(2017): 27-35.

### CHAPTERS: -

1. Dr. Arti Prasad, Suman, **Dr. Ashok Kumar** and Sanjay Kumar Meena. Chapter entitled **Forensic Entomology: A Noble Branch of Insect in Crime Detection and Generating Bright Job Prospectives. Current Research in Biology (Volume - 4)**. AkiNik Publications. ISBN: 978-93-5570-100-8. Pages:- 15-

32.2021.

2. Dr. Arti Prasad, Suman, Sanjay Kumar Meena and **Dr. Ashok Kumar. General Overview of Mosquito Borne Diseases (MBD): A Great Burden on Humanity. Research Trends in Applied Research (Volume - 9).** Weser Books publication. ISBN: 978-3-96492-242-7. Pages:- 25-50.2021.

### **PATENTS: -**

1. Patent on “**Threat Monitoring Device**” (Design Number- **344847-001, Class-10-05, Date of Registration- 17/06/2021**) in the Patent Office Journal No. 30/2021 Dated 23/07/2021.

### **CONFERENCES & WORKSHOPS:**

#### **Presented-**

#### **Oral Presentation:**

- Oral presentation on title “Susceptibility status of dengue vector *Aedes aegypti* (L.) against various insecticides and larvicides in Udaipur district of Southern Rajasthan, India” in National Symposium entitled on topic ‘**Multilateral Initiatives Against Arboviral Diseases (NSAD-2020)**’ organized by Laboratory of Public Health Entomology, Department of Zoology, University college of Science, Mohanlal Sukhadia University, Udaipur, Dated- January 04-06, 2020.
- Oral presented on title “Susceptibility status of dengue vector *Aedes aegypti* (L.) against various insecticides and larvicides in Udaipur district of Southern Rajasthan, India” in the 14<sup>th</sup> India-Japan International Conference on Sustainable development goals: of United Nation to Transform our World, Dated- September 23-25, 2019, organized by Biyani Groups of Colleges, Jaipur, Rajasthan, India.
- Oral presented in National Conference, addressing multi sectoral actions organized by Department of Zoology, University college of Science, Mohanlal Sukhadia University, Udaipur, Dated- December 17-18,2018.
- Oral presented on title “To Study the Surveillance of *Aedes aegypti* (L.) Mosquitoes in Southern Rajasthan (India) of Udaipur District to Monitor Potential Global Health Risks” in International Conference on Eco Friendly and Socially Responsive Economy and Equity: Issues and Challenges of 21st Century for Emergent Sustainable Development amongst SAARC Countries (SAARC ECUBE-17). Dated- January 9-11, 2017, organized by Department of Zoology, University College of Science, MLSU, Udaipur and Deccan Education Society’s, Kirti M. Doongursee College, University of Mumbai, Mumbai.

- Oral presented in one day seminar on “Challenges in teaching and research in chemistry and biology” sponsored by Indian Society of Chemist and Biologists (ISCB) Local Chapter (West Zone): Udaipur dated July 23, 2016.

### Poster Presentations:

- Poster presented on title “Species composition and diversity of Dengue vectors in Urban and Peri-urban areas of Udaipur district, Southern Rajasthan (India)” in National workshop entitled on Recent Trends in Taxonomy organized by **Zoological Survey of India and Botanical Survey of India** Held at Jodhpur, Rajasthan (India) dated- 10-11, January, 2019.
- Poster presented on title “Microbial agents verses vectors” in National Conference entitled on Tribal Health in relation to Vector borne and Parasitic diseases: Addressing multi sectoral actions organized by Department of Zoology, University college of Science, Mohanlal Sukhadia University, Udaipur, Dated- December 17-18,2018.
- Poster presented entitled on “**Solid waste management through Vermitechnology**” as a **representative** of Department of Zoology, UCOS, MLSU in Jaipur Festival of Education organized by Department of Higher Education, Government of Rajasthan, at JECC, Sitapura, Jaipur, Rajasthan, Dated- August, 5-6, 2017.
- Poster presented on title “Surveillance of *Aedes aegypti* (L.) Mosquitoes in Udaipur District of Southern Rajasthan (India) to Monitor Potential Global Health Risks” in 11<sup>th</sup> anniversary India-Japan International Conference BICON- 2016, Dated- October 20-22, 2016, in Biyani Groups of Colleges, Jaipur, Rajasthan.
- Poster presented on title “Effects of Plant Leaves Extract on Salivary Gland Chromosome of *Anopheles stephensi* Liston (Insecta: Diptera: Culicidae)” in UGC- Sponsored National Conference on “Recent Advances In Biological Sciences, Biotechnology & Sustainable Development RABBSD-2016, Dated- March 18-19, 2016” in Department of Botany, University College of Science, Mohanlal Sukhadia University Udaipur, Rajasthan.
- Poster presented on title “Review on Surveillance and Bionomics of *Aedes* mosquitoes with Reference to Dengue Vector” in UGC- Sponsored National Conference on “Recent Advances in Biological Sciences, Biotechnology & Sustainable Development RABBSD-2016, Dated- March 18-19, 2016” in Department of Botany, University College of Science, Mohanlal Sukhadia University Udaipur, Rajasthan.

- Poster presented on ‘Novel process and product of genetic engineering, Dated- February 11-12, 2011’ at university level in Jaipur National University, Jaipur, Rajasthan.

#### **Attended-**

- Participated in **International Virtual Conference** on "Present Status and Future Trends in Entomological and Wildlife Studies: an Emerging Platform for Zoologists" (PENWI - 21) organized by Department of Zoology, Mohanlal Sukhadia University, Udaipur, Rajasthan, India dated: -13-14, July, 2021.
- Participated in national symposium on **Photosynthesis**, held on dated- December, 8-9, 2017, at Department of Botany, MLSU, Udaipur, Rajasthan, India.
- Attended in National Conference and Workshop on Green Chemistry: Teaching and Technology organized by Department of Chemistry, University College of Science, Mohanlal Sukhadia University, Udaipur, Rajasthan in association with Royal Society of Chemistry (London), North India, Dated- October, 20, 2016.
- Participated in National Seminar on “Biodiversity, conservation and ecotourism” organized by Department of Botany, Maharana Pratap Government Post Graduate College, Chittorgarh, (Rajasthan) in Collaboration with Rajasthan State Medicinal Plants Board, Government of Rajasthan, Dated- September 27-28, 2016.
- Attended UGC- Sponsored National Conference on “Modern Trends in Chemical Sciences, Dated- 30<sup>th</sup> & 31<sup>st</sup> January, 2016” in Department of Chemistry, University College of Science, Mohanlal Sukhadia University Udaipur, Rajasthan.
- Attended “XII International Conference on Vector and Vector Borne Disease, dated- 16-18 September, 2013” organized by Dept. of Zoology, UCOS, MLSU, Udaipur and NAVBD, Bhubaneshwar (Odisha) India.
- Attended National Workshop Cum Symposium on “Mobile Phone Exposure Hazards, Biological effects & Role of Nanoscience: Theory and Applications, Dated- March 31<sup>st</sup>, 2012” Organized by Jaipur National University, Jagatpura, Jaipur, Rajasthan.
- Attended 80<sup>th</sup> Annual Session of National academic sciences, India on “Climate change dated- December 2 to 4, 2010” Held at Jaipur National University, Jaipur, Rajasthan.

#### **COMPUTER LITERACY:**

- **Rajasthan State Certificate in Information Technology (RS-CIT)** of Rajasthan

Knowledge Corporation Limited in **March, 2014 with 64%** from Vardhaman Mahaveer Open University, Kota.

- MS Office – MS-Excel, MS-Word, Power Point
- Photoshop, Coral draw, Microsoft office publisher
- Internet Surfing

**PERSONAL PROFILE:**

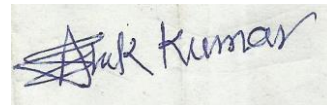
**Father's Name** : Shri Dhuji Singh  
**Mother's Name** : Smt. Indra Devi  
**Date of Birth** : 5 Oct.1989  
**Category** : OBC (in state only)  
**Marital Status** : Single  
**Permanent Address:** V/P- Hatizar, Teh- Weir  
Weir, Bharatpur- 321028  
Rajasthan, India

**DECLARATION**

I hereby declare that all the above-mentioned facts and information are true to the best of my knowledge. I shall be solely responsible for any discrepancy found in them.

**DATE- 21/04/2022**

**PLACE:** Udaipur



**(ASHOK KUMAR)**