

Dr.JOBIRAJ.T

Keerthi

Vattoli Bazar

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Kozhikode-673612

Kerala

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JOB PROFILE

Assistant professor in Zoology at Government College, Kodanchery, Kozhikode

ACADEMIC PROFILE

Ph.D.

Systematics of the Bees (Hymenoptera: Apoidea: Apiformes) of Kerala at Alpha level. Calicut University. Guide: Prof. (Dr.).T.C Narendran, Calicut University, 2002.

M.Phil.

Studies on the systematic aspects of series Apiformes (Hymenoptera: Apoidea) of Kerala, at generic level. Calicut University.1999.

Master of Science (Zoology)

Percentage – 79.4% Third Rank, St. Josephs College Devagiri, Kozhikode Calicut University.

Bachelor of Science (Zoology)

Percentage – 79.2%, St .Josephs College, Devagiri Kozhikode Calicut University

Bachelor of Education (Natural Science)

Percentage – 64.7 %, Govt. College of Teacher education, Kozhikode.

ADDITIONAL QUALIFICATION

SET 2000, Lectureship 1998

RESEARCH EXPERIENCE

- Worked as **Research Fellow** under Dr.T.C. Narendran in the Department of Zoology, University of Calicut (3 Years).
- Worked as a visiting **Post –Doctoral Fellow** of Ashoka trust for Research in Ecology and Environment (ATREE), Bangalore (2006 – 2008) under Dr. Priyadarshanan Dharma Rajan.
- Working as **Research Supervisor** under Bharathiar University. (Three research scholar submitted their Thesis)
- Working as **Research Supervisor** under Calicut University (Two research scholar doing their research).

TEACHING EXPERIENCE

- Assistant Professor in Zoology 10 years(**2011** onwards, 7/7/2011)
- Higher Secondary School Teacher (Zoology) 10 years(**2000-2011**)

PERSONAL PROFILE

- Father and Mother : Sreedharan T .K and Sarojini.T
- Gender : Male
- Nationality : Indian
- Religion and caste : Hindu -Thiyya

SEMINARS , WOKSHOPS,CLASSES ,ORIENTATION COURSES ,REFRESHER COURSES Etc. ATTENDED (2011 onwards)

1. Presented a paper on Biodiversity conservation held at GHSS Koduvally as a part of National Environment Awareness Campaign on 26-11-2012.
2. Resource person for Faculty Development programme for Higher Secondary School Teachers at Govt. HSS Meenangadi on 25-1-2012.

3. Participant in Three Day Nature Camp held at Forest Dormitory Wayanad Wild Life Sanctuary conducted by Wild Division Sulthan Bathery from 09-12-2014 to 11-12-2014.
4. External Examiner for Ph.D. Qualifying Viva-Voce examination held at MG University on 10-12-2012.
5. Participant of National Seminar cum Workshop for developing e-Contents on Bioinformatics held at University of Calicut on 08-08-2012 & 09-08-2014.
6. Participant in National seminar on Higher Education Policies: Prospects and Challenges held at Tagore Centenary Hall, Kozhikode on 08-03-2013.
7. Participant in Three Day Nature Camp held at Forest Dormitory Mukkali under Bhavani Range from 13-12-2013 to 15-12-2013.
8. Participant in National Seminar on "Entomology: Changing Perceptions" organized by the Post Graduate Department of Zoology, Government College Madappally on 22-11-2013.
9. Participant in One Day Workshop for Internal Mentors of Walk with Scholar Programme of Collegiate Education, Govt. of Kerala held at Govt. College for Women, Trivandrum on 10-12-2013.
10. Participant in the Orientation Programme conducted by the UGC-Academic Staff College from 04-07-2013 to 31-07-2013.
11. Participant in the Orientation course for Programme Officers of the NSS organized by Training Centre at Rajagiri College of Social Sciences, Kalamassery, from 23-10-2013 to 29-10-2013.
12. Member organizing committee of the Two Day Workshop on Recent Trends in Biodiversity Documentation organized by the Department of Zoology Government College Kodanchery held on 12th & 13th February 2013.
13. Coordinator of the One Day Seminar on Changing Perspectives in Taxonomy and Systematics organized by the Department of Zoology on 08-10-2014.
14. Resource Person for UGC sponsored Two Day Seminar organized by P G Department of Zoology, PSMO College Thirurangadi on Apiculture –Procedures, Methods and Scope on 04-03-2013 to 05-03-2013.

15. Participant in the National Seminar on Changing Contours of Higher Education at Chithra Community Hall, Pattambi on 07-03-2014 in connection with 56th State Conference of AKGCT.

16. Conducted Classes on Environmental Science and Disaster management under the Visiting Faculty Scheme at Govt. Women's Polytechnic College on 21-02-2014.

17. Member organizing Committee of Two Day nature Camp "Back to Nature" organized by the Department of Zoology jointly with SOOCHIMUKHI Nature club on 21st and 22nd October 2014 at Government College Kodanchery.

18. Member organizing Committee of Two Day nature Camp "Back to Nature" organized by the Department of Zoology jointly with SOOCHIMUKHI Nature club on 15st and 16nd October 2016 at Government College Kodanchery.

19. **Conducted Classes on Environmental Science** and Disaster management under the Visiting Faculty Scheme at Govt. Women's Polytechnic College on 12-03-2015.

20. **Presented a paper** entitle Diversity of Butterflies of Malabar Wild Life Sanctuary in the UGC sponsored two day National seminar on Biodiversity held on 15 and 16 January 2015 at Providence women's College.

21. Participated on day programme a day with butterflies organized by the MNHS with Koodu Magazine, on 10 th May 2014.

22. Participated on day seminar on Higher education in the Neo-Liberal Era organized by IQAC, Government College Kodanchery on 24 Feb 2015.

23. Participated in a state level Mind designing **workshop** organized by national service scheme Farook College on 21 July 2015 at Farook College.

24. Participated in the **one day National seminar** on Environmental protection and sustainable Issues and concerns development: organized by Department of zoology, Government College Kodanchery on 10 Feb 2015.

25. Participated in **the two day National seminar** on Interpersonal Relationships: organized by Department of Languages, Government College Kodanchery on 26 and 27 Feb 2015.

26. Participated in the one day **National seminar** on Environmental protection and sustainable Issues and concerns development: organized by Department of zoology, Government College Kodanchery on 10 Feb 2015.

25. Participated in the **two day Inter National seminar** on recent trends in Physics organized by Department of zoology, Government College Kodanchery on 15, 16 Jan 2015.

26. Participated and **delivered two lectures** and led the taxonomy classes in Indian Bee Course during **10-14 August 2015** at Central University of Kerala.

27. Participated and **Presented a paper** in two day National Workshop on Identification of Bees, Wasps, Bugs and Beetles of South Western Ghats: organized by Department of zoology, Malabar Christian College on 27-28 Feb 2015.

28. Participated in orientation program for teachers in maximizing awareness **(OPTIMA)** organized the Directorate of Collegiate Education, Tvm from **13/10/2015 to 17/10/2015** at Loyola college of Social sciences.

29. Participated in the **two day National Workshop** on Virtual biology lab: technological alternatives for animal dissection in basic zoological learning and the grand confluence: an interdisciplinary dialogue between life sciences and Literature organized by Department of zoology, Government college Madappally on 3 and 4 Dec 2015.

30. Programme Officer N.S.S of Government College Kodanchery from **04.07.2013 to 03.07.2016**.

31. Attended the capacity building residential workshop for coordinators of scholar support programme on 31/11/ 2016 and 4/11/2016 held at Scio religious center, Malaparamba, Kozhikode.

32. Participated in the Inter disciplinary **Refresher course** (environmental sciences) conducted from 01/12/2016 to 21/12/2016 at UGC HRDC, Pondicherry University.

33. Participant in the National Seminar on Commercialization of Higher education in India at Tirur on 17-03-2017 in connection with 59th State Conference of AKGCT.

34. Participated in the state level training programme for faculties in charge of BMC held at VJT hall, Thiruvananthapuram on 16.09.2017.

35. Participant in the **Seminar** on Revised accreditation frame work of NAAC organized by IQAC sponsored by directorate of collegiate education, Govt. of Kerala on seventh October 2017.

36. Participated in the **National seminar** organized by the Department of Botany, Government arts and Science College, Kozhikode on 26th and 27th September 2018, sponsored by the DEC, Tvm.

37. Participated in the **two day National work shop on Bioinformatics** organized by the Department of Zoology, SNGS Government Sanskrit College, Pattambi on 6th and 7th December 2017, sponsored by the DEC, Tvm.

38. Participated in the **National seminar on Vector -borne diseases: challenges and hopes** organized by the Department of Zoology, Government College, Madappally, Kozhikode on 19th and 20th December 2017, sponsored by the DEC, Tvm.

39. **Presented an invited talk** on systematics of Bees at the Department of Zoology at MES College, Mampad on 23th January 2018.

40. Attended two day DBT and UGC sponsored **workshop** on Basic Bioinformatics on 20th and 21st March 2018 organized by Department of Zoology ,St. Josephs College Devagiri ,Kozhikode and Bioinformatics center, ICAR,IISR, Kozhikode.

41. Attended two day **Training programme** for the Faculty in charge of North zone Bhoomithrasena clubs on 26th and 27th July 2018 organized by Directorate of environment and climate change at MSSRF, Wayanad.

42. Participated in the **two day National seminar** on Life after the Deluge: Impact of the recent flood on the wild life of Kerala, organized by the Department of Zoology, Government arts and Science College, Kozhikode on 30th and 31st October 2018, sponsored by the DEC, Tvm.

43. **Participated as Resource person** in the National seminar on Insects and Environment sponsored by directorate of collegiate education, Govt .of Kerala held at the Department of Zoology, Government Brennen College Thalassery on 7th and 8th November, 2018.

44. Acted as **Convener** of National seminar on climate change and biodiversity organized by the Department of Zoology, Government College Kodanchery held on 21st and 22nd November 2018.

45. Participated in the Nature **Education Camp** conducted by Wayanad social Forestry division at Thirunelly on 20th to 21st December 2018.

46. Participated in One day **Inter National seminar** on Exploring new horizons in medical research, organized by the Department of Zoology, KKTU Government College Pullut, Trissur on 17th January 2019, sponsored by the DEC, Tvm.

47. **Delivered a lecture** on Introduction to the World of BEES, their diversity and life on 10th January 2019 at Zamorin's Guruvayoorappan College, Kozhikode.

45. Attended one day National seminar on right wing formulation of education sector organized in connection with 61st annual conference of AKGCTA at Maharajas College Ernakulum on 22nd March 2019.

48. Attended one day **seminar** on Women in science in connection with National science day celebrations on 20th February 2020, at Government arts and Science College, Kozhikode.

49. Participated and **presented a paper** on bee taxonomy in the day national seminar on modern practices in animal taxonomy organized by PG and research department of Zoology, Maharajas College Ernakulum under the sponsorship of DCE, Govt of Kerala on 25th and 26th November 2019.

50. **Delivered a lecture on Biodiversity.** Climate change and sustainable development held at research department of Zoology, Government College Kasargod on 18th and 19th November 2019.

51. **Presented a paper** on Introduction to the bees of the world of Bees on 12th November 2019 at Baithul Izza arts and Science College.

52. Participated in the **refresher course** in Life Sciences conducted by UGC-HRDC, Calicut University from 18.10.2019 to 31.10.2019.

53. Participated as a **Recourse Person , the two day National Workshop** on Taxonomic Identification of Bees, organized by ENVIS Centre on Biodiversity(Fauna), Zoological Survey of India with center for Pollination studies (University of Kolkata), University of Agricultural sciences (Bangalore) and National center for biological sciences (Bangalore) on 2nd and 3rd march 2020.

54. Participated in the **National seminar**, psychological insights: a prelude to academic excellence and socialization organized by department of Languages, government college Kodanchery on 9th January 2020.

55. Completed COVID 19 **awareness quiz** organized by IQAC, St. Josephs College Irinjalakuda, in association with department of Biotechnology and Department of Zoology during April 2020.

56. Attended the one week online **Faculty Development Program on Moodle Learning Management System** organized by Sinhgad institute of Technology Lonovala, Pune, Maharashtra in association with Spoken tutorial project, Indian Institute of Technology, Bombay .From 1st May 2020 to 6th may 2020.

57. Attended **Webinar** on online learning methods, organized by Sinhgad institute of technology, Lonavala, India on May 18th, 2020.

58. Attended One-week E Workshop on Research and publication ethics held at MES Mampad College ,Malappuram during 17-21August 2020.

59. Attended **International Webinar** on Perspective of Molecular Approaches in Entomology, organized by Shadpada entomology research lab, Department of Zoology Christ College Iringalakuda on S 17th, 2020.

60. Acted as a resource person for the E workshop Eco taxon under aegies of DBT-STAR College organized by the department of Zoology, St. Xavier's College for Women, Aluva on 7th November, 2020.

61. Attended the Two week Inter disciplinary Refresher course **Research Methodology and Data Analysis** organized by Teaching Learning Centre, Ramanujan College, University of Delhi, From 17 May 2021 to 31 May 2021.

62. Attended **Webinar** on Clinical Cytogenetics: Chromosomes to Genomics, organized by Department of Zoology, St. Thomas College, Kozhenchery on 14th June, 2021.

RESEARCH PAPERS PUBLISHED / COMMUNICATED

1. A study of *Parahormius* Nixon (Hymenoptera :Barconidae) from India: T.C Narendran, K. Rajmohana , K.A. Karmaly and **T. Jobiraj** :Ecobios,Vol.1,No.1 ,**2001**
2. Three new Species of Pteromalidae (Hymenoptera) form Kerala (India): T.C Narendran, K. Rajmohana, and **T. Jobiraj**: Uttar Pradesh j. Zool.21 (1):27-34, **2001**.
3. A new Species of *Ormyrus* West wood (Hymenoptera: Chalcidoidea: Ormyridae form Australia: T.C Narendran, K.A. Karmaly and **T. Jobiraj**: J. Adv. Zool.**2001**:22(1):15-17.

4. A remarkable news species of Bee Genus *Halictus* Latreille (Hymenoptera: Apoidea: Halictidae) from India: T.C Narendran **T. Jobiraj** and Mohandas: J. Adv. Zool.**2000**:21(1):48-50.
5. A Taxonomy Study of *Foenotopus* species (Hymenoptera: Stephanidae) of Indian Subcontinent. T.C Narendran, K. Rajmohana, **T. Jobiraj** and K.A. Karmaly: J.Adv.Zool. **2001**: 22 (2): 81-88.
6. A new species, a new record of *Braunsapis* Michener (Hymenoptera: Apidae) from India: **T. Jobiraj**; Perspective on Biosystematics & Biodiversity: TCN Com. **2004**:527-538.
7. A revised Key to the world species of *Lisotrigona* Moure (Hymenoptera: Apoidea: Apidae) with description of a new species from India: **T. Jobiraj** and T.C.Narendran. Entomon 29(1):39-43 (**2004**).
8. Biodiversity of the Bees of Kodanchery; **Jobiraj.T**; Changing perspectives in Taxonomy and Systematics, Proceedings of the National seminar, Government Kodanchery ,**2014** pp. 31-37.
9. Morphological adaptations of Bees and key to identify the common Bee Genera of southern Western Ghats: **Jobiraj.T**; Proceedings of national workshop on the identification of bees wasps, beetles and bugs .**2015** pp51-53.
10. A key to the divisions of Apoidea, Families of Apiformes and genera of Apidae of India: **Jobiraj.T**. Mutualistic interactions between flowering plants and animals. Chapter 17pp308-317. Manipal University press. **2015**.
11. Diversity of Butterflies in Malabar wild life sanctuary, Kozhikode. **T.jobiraj** and Manjusha K.T, Proceedings of two day National Seminar, Biodiversity its concepts and concern, Providence Women's college **2015** pp7.
12. Preliminary study on diversity of Bee genera (Hymenoptera: Apoidea: Apidae) of Kodanchery. **T.jobiraj** and Manjusha K.T, Proceedings of two day National Seminar, Biodiversity its concepts and concern, Providence Women s college **2015** pp23.
13. The Bee fauna of Vanaparvam biodiversity park, Kerala, India (Hymenoptera: Apoidea): Sheeja. K and **Jobiraj.T**: International journal of agricultural sciences. **2017**. 1338-1341pp

14. Fish fauna diversity of Karamana River, Kerala, India. Jancy rani A K and **Jobiraj (2017)**. Advances in aquaculture and fisheries Management. ISSN 9424- 2933 Vol.4 (2) pp. 280-285.
15. New records of *Xylocopa* (Hymenoptera: Apidae: Xylocopinae) from Dumna nature park, Jabalpur, India. Altaf Hussain Sheikh, **Jobiraj .T**, Mansoor Majeed Lone and Zubair Azad. International Journal of Current Advanced Research. **2017**. 6541 -6543pp.
16. On an account of Sphecidae (Hymenoptera : Insecta) from Dumna Nature Park , Jabalpur, India. Altaf Hussain Sheikh, Moni Thomas, Rita Bhandari, **Jobiraj.T**. National Journal of Multidisciplinary Research and Development. **2017**. 286-288.
17. New records of the bee genus *Gnathonomia* Pauly (Hymenoptera: Apoidea: Halictidae) from Kerala. Manjusha k.t and **Jobiraj. T**. J.Appl.Zool.Res (**2017**)28(2):216-218.
18. New record of *Leconomia brevipes* from India with a check list of Nominid bees (Apoidea: Halictidae: Nomiinae) from Kerala. K.T. Manjusha and **T.Jobiraj**. j.Exp.Zool.India. Vol.21, No.2, pp.897-900, **2018**.
19. Taxonomic study of Ants (Formicidae: Hymenoptera) fauna of Dumna Nature park, Jabalpur, Madhya Pradesh, India. Altaf Hussain Sheikh, Mudasar Manzoor, Younis Ahammed Rathor and **Jobiraj.T**. J.ent.Res. 43(2):203-212(**2019**).
20. Study of Nomiinid Bees (Apiformes: Halictidae) of Kerala. Manjusha K. T and **Jobiraj. T**. Biota a compendium of research papers UGC, HRDC, University of Calicut .**2019**.
21. Diversity of Non –Apis bees in rice ecosystems – a case study from Kerala. Bijoy. C, Rajmohana .K, Jobiraj .T and Gnanakumr. M. Envis Newsletter, ZSI, Kolkata. Vol.No.25 (1-4): March 2019.
22. Nectar robbing by a short –tongued bee (*Hoplonomia sp.* Halictidae) manipulates the Structure of *Leucas aspera* (Lamiaceae) flowers and keeps its crucial pollinators away. Sangeetha Varma *et al* and **Jobiraj.T**. Oikos. **2019**.
23. Taxonomy of bees (Hymenoptera: Apoidea: Apiformes) at North Nilambur forest, Edavanna Range, Kerala. **Jobiraj. T** and Manjusha K. T. Perspectives in Life sciences. 216-224pp UGC-HRDC, Calicut University. **2019**.
24. Butterflies (Lepidoptera) of Thusharagiri, Kerala, India. **T. Jobiraj**, K.T. Manjusha and C. Susanth Kumar. Entomon 45 (2): 155-160, **2020**.
25. A check list of bees (Insecta: Hymenoptera: Apoidea) of Kerala. Anju Sara Prakash, **Jobiraj.T** and Bijoy .C. Entomon. **2020** – 45(3):189-200,**2020**.

ONLINE COURSES COMPLETED

1. Introduction to human Behavioural Genetics. Coursera. University of Minnesota. 23/07/2020.
2. Introduction to Psychology. Coursera. Yale University. 23/07/2020.
3. DNA decoded. Coursera. McMaster University. 25/07/2020.

RESEARCH SCHOLARS AND RESEARCH ACTIVITIES

1. **Sheeja. K.** Alpha level systematics of Halictine bees (Apoidea: Apiformes: Halictinae) in Kerala, South India – **Bharathiar University** Coimbatore – **Thesis submitted.**
2. **Jancy Rani A. K.** Study on the level of heavy metals and diversity of planktons and fish in karamana river, Thiruvananthapuram district, Kerala, India.- **Bharathiar University**, Coimbatore – **Thesis submitted.**
3. **Manjusha K .T.** Biosystematics of Bees (Apoidea: Halictidae: Nomiinae) of Kerala, India. -**Bharathiar University** Coimbatore –**Ph.D. Awarded,2020**
4. **Athira T. R.** understanding the interaction between shore birds and their prey with emphasis on their foraging behaviour in selected stop over sites .Full time (CSIR-JRF) Government College Madappally, **University of Calicut.**
5. **Joice Tom J.** Taxonomy and diversity of Ant fauna (Hymenoptera: Formicidae) of Malabar Wildlife Sanctuary, Kerala, India. Government College Madappally, **University of Calicut.**
6. **Shifa C.T.** Population Dynamics, Prey Preferences and human induced threats to Habitats of Kingfishers and Mitigation Strategies. **University of Calicut.**
7. **Evaluated Ph.D thesis of Kiran kumar.E, MG University 2021**

RESEARCH PROJECTS (MAJOR)

Taxonomy, phylogeny, and conservation of leaf cutter bee pollinators of India – under all India coordinated projects on capacity building in taxonomy (**AICOPTAX**) programme, Of the ministry of environment, forest and climate change. **47, 23,980/- rupees. May 2019. Co- investigator.**

QUESTION PAPER SETTING

2021.10/08/2021. B.Sc. Zoology, Sixth Semester, 2021.Kannur University.

2020.07/10/2020. B.Sc. Zoology Third semester, March 2020.St.Joseph's College, Devagiri (Autonomous).

2020. 17/02/2021. B.Sc. Zoology Fourth semester, April 2021. St. Joseph's College, Devagiri (autonomous).

2020. 18/11/2020. B.Sc. Zoology Fourth semester, March 2021. Farook College (autonomous).

2020. 04/01/2020. B.Sc. Zoology six semester, March 2020. Farook College (autonomous).

2019. 29/11/2019. UG –second Semester March 2020. Kannur University.

2019. 19/08/2019. Fifth semester UG -2019. St. Josephs College, Devagiri (Autonomous).

2019. 22/07/2019. B.sc Degree programme, Farook College (Autonomous)

2019. 16/01/2019. Fourth semester UG -2019. St. Josephs College, Devagiri (Autonomous).

2019. 15/01/2019. Sixth semester UG -2019. St. Josephs College, Devagiri (Autonomous).

2019. 30/01/2019. Second semester UG -2019. St. Joseph's College, Devagiri (Autonomous).

2018.04/09/2018. B.Sc. degree Programme November 2018. Farook College (Autonomous).

2018. 04/08/2018. Second semester UG – May 2018. St. Joseph's college Devagiri (Autonomous).

2018. 19/01/2018. Sixth semester B.Sc. 2018. MES College, Mampad (Autonomous).

2017. 15/12/2017. B.Sc. degree programme march 2018. Farook College (Autonomous).

2017. 30/08/2017. Fifth semester UG October 2017. St. Josephs College Devagiri. (Autonomous).

2017. 07/10/2017. First semester UG October 2017. St. Josephs College Devagiri. (Autonomous).

2017. 20/01/2017. Sixth semester B.sc Zoology, Core. Examination 2017. University of Kerala, Thiruvananthapuram.

UG/PG PROJECT GUIDED

2020-2021. A Preliminary Assessment of Avian Diversity of Vanaparvam Biodiversity Park, Kakkavayal, Kozhikode.

2019-2020. A survey of butterflies (Lepidoptera) of Thusharagiri. B.Sc. Zoology, Government College Kodanchery.

2018-2019. Diversity of butterflies (Lepidoptera) at mangroves of Koyilandi. B.Sc. Zoology, Government College Kodanchery.

2018-2019. Taxonomy and diversity of bee genera (Hymenoptera: Apoidea: Apiformes) at Balussery. Adarsh V C. M.Sc. Zoology, S.N College Alathur.

2017-2018. Diversity of Moths (Lepidoptera) in the Government College Kodanchery. B.sc Zoology, Government College Kodanchery.

2017-2016. Biodiversity of grass hoppers (Orthoptera: Acridoidea: Acrididae) at Kodanchery Government College Campus. B.Sc. Zoology, Government College Kodanchery.

2016-2015. A study of fish diversity of Thusharagiri. B.Sc. Zoology, Government College Kodanchery.

2014-2015. Aquatic insect diversity (Arthropoda: Insecta) in Thusharagiri and adjoining areas. B.Sc. Zoology, Government College Kodanchery.

BOOKS PUBLISHED

Core course Zoology: **Methodology in science, Biostatistics and Bioinformatics** for Fifth semester B.Sc. Zoology, University of Calicut. K.K Bhaskaran, Abdul Riyas K, Jobiraj T .*Manjusha Publications 271 pages. June 2021.*

