SEPTEMBER 2022

Dr.T.R.SOBHA
Assistant Professor, Department of Zoology, Farook College (Autonomous)
Kozhikode, Kerala
Joining Date: 05-03-2010
Mob: +919048871751, E-mail: sobha@farookcollege.ac.in

1. Education

P.hD. in Zoology, Division of Acarology, Department of Zoology, University Calicut,2000
M.Phil. Zoology, Department of Zoology, University Calicut.1995-96
MSc.Zoology,SreeNarayana College,Nattika.1993
B.Ed. in Natural Science,Govt.Training College,Trichur-1994-95

2. Research Interest

Acarology, Entomology, Biodiversity,Wild life Biology

3. Teaching Interest

Animal diversity,Environmental biology, Molecular biology, Biophysics, Human physiology, Human genetics, Wild life conservation, Bio informatics,Immunology, Microbiology

4. Professional Experience

Teaching Experience

1. Two years of working as guest lecturer in Zoology at KKTM College, Kodungallur (2000-2002)

2.Three years of working as Guest Lecture in Zoology at Govt.College,Nattakam,Kottayam (2003-2006)

3.Three years of working as Lecture in Zoology at SAFI Institute of Advanced Studies, Vazhayoor (2006-2009)

4.Assistant Professor,Department of Zoology, Farook College,Kozhikode,Kerala,From March 2010 to till.

Research Experience

Research scholar in Dept of Zoology,Division of Acarology from 1995-2000
Research Supervisor in the Department of Zoology,Farook College, Kozhikode,from 2017onwards
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5. Software Proficiency

MS Office , Linux

6. Research Publications

Chapters in Edited Books

1. Weight loss of copra due to infestation of *Aceria guerreronis* .2010.In:Trends in Acarology .Maurice W Sabelis & Jan Bruin (Eds). , Springer publications

2.Postembryonic development of Coconut mite, Aceria guerreronis on coconut in Kerala, India.2011.In: Zoosyposia , Gilberto Jose de Moraes&Heather Proctor(Eds)., 6:68-72

Articles in refereed/indexed/listed Journals

1. A preliminary Study on Diversity, Status, Threats and Management Strategies of Corals of Amini Island, Lakshadweep, Auriole,Vol XII(2020),75-87.pp,,ISSN-2249-7862,(Cite Score , Impact factor)
2. Study to Assess the Damage Potential of *Tetranychus urticae* Koch. on papaya, *Carica papaya* L Auriole,Vol XII(2020),129-141.pp,,ISSN-2249-7862,(Cite Score , Impact factor)
3. Traditional Use And Management of Non-Timber Forest Products (NTFPS) in Appappara Village of Wayanad District, Kerala, International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Vol10(1) (2020).62-71, ISSN (Online) 2581-9429 . ISSN (Print) 2581-942X
4. Population dynamics of Coconut mite *Aceria guerreronis* in Kerala. Acarological Studies Vol1(2)(2019) 165-173Pp
5. Habitat services of urban isolated trees in Malappuram, Northern Kerala,India International journal of current advanced research 8(1) (2019) 17119-123 online:2319-6475
6. Impact of climatic factors on the population density of vegetable spider mite,*Tetranychus neocaledonicus*(Acar:Tetranychidae) infesting Cassava. International journal of advanced research 5(7)(2017)2174-2178 ISSN-2320-5407
7. Incidence of vegetable crop pests in home yards & agricultural farm of Kuttipuram Panchayath,Malappuram,Kerala, Ecochronicle 12 (2) (2017)43-49 ISSN-0973-4155
8. Preliminary report on the diversity ,status,threats and management strategies of corals of Amini Island,Lakshadweep. Millaneum Zoology 18(1) (2017) 44-46. ISSN- 0973-1946
9. Studies on species diversity and abundance of Ornithofauna in Thirunavaya wetland,Malappuram district,Kerala. International journal of multidisciplinary research and development .4(2).(2017) 192-196.ISSN-2349-5979
10. Is coconut mite on declining trend in Kerala? international journal of science and research. 6(2)(2017)2013-2016 ISSN-.2319-7064
11. A comparative study on diversity of spiders along the banks of Chaliyar river,Kerala . Milleneum Zoology 16(2) (2016). 23-27 ISSN-0973-1946
12. Preliminary study on diversity of vespid wasps(Hymanoptera:vespidae) of Farook college campus AEIJMR 2016 14(2) 1-12 ISSN-2348-6724
13. Comparative study of spider diversity in diffffferent habitat with reference to conservation GCK Science Letters 2014 3(2) 20-33 ISSN-2320-2572
14. Post embryonic development of coconut mite,*Aceria guerreronis* on coconut,Kerala,India Zoosymposia 2011 6 68-71 ISSN-1178-9905

15. Acarine predators associated with coconut mite, *Aceria guerreronis* (Acari : eriophydae) and studies on feeding potentail of *Typhlodromus pyri*i(AcariMesostigmata) Indian Journal of Acarology 2007 17(1&2) 45-47

16. Faunal diversity of mites associated with crop plants of Kerala Indian Journal of Acarology 2007 16(1&2) 28-31

17. Incidence of *Tetranychus neocalidonicus*(Acari:Tetranichidae) on *Dolochos lablab* Indian Journal of Acarology 1999 14(1&2) 73-76

Papers In Proceedings

1.Preliminary studies on soil macro and meso Arthropods along Chaliyar river bank. Dept of Botany,NSS College Manjeri.Edited by Krishore Kumar K *et al* in edited book ,2013

2.Preliminary Survey on the Diversity of Soil Macrofauna in different habitats, Chapter in Edited

78-81-924940-1-2 Dept of Zoology,St Teresas College,Ernakulam

3.Preliminary Study on the Diversity of Soil Mites in different habitats 2014 Chapter in Edited Book 78-81-924940-1-2 Dept of Zoology,St Teresas College,Ernakulam

4..A study on incidence of some stored product insect pests and their seasonal variation in selected samples of stored products 2015 Chapter in Edited Book 978-93-80095-70-7 Dept. of Zoology, Sree sankara college, kalady 2/12/2015----3/12/2015 ISBN: 978-93-80095-70-7

5.A preliminary study on status, threats and conservation strategies of avian fauna in Thirunavaya wetland ,Malappuram, kerala. 2015. 978-93-80095-70-7 Dept. of Zoology, Sree sankara college, kalady 2/12/2015----3/12/2015 ISBN: 978-93-80095-70-7

6.A comparative study on spider fauna in two different habitats .UGC sponsored national seminar on understanding biodiversity:progress and problems .dept. of zoology NSS College Ottapalam .09.9.2015—10.9.2015.

7. A preliminary study on the diversity of butterfly pollinators in Farook College campus ,Kozhikode,Kerala .UGC sponsored National seminar on understanding biodiversity: progress and problems. dept. of Zoology NSS college Ottapalam ,09.9.2015—10.9.2015.

8. A preliminary survey of ectoparasites on different domestic animals of Karuvator Village, Calicut ,Kerala Two day National Seminar on Biodiversity-its Concepts and Concern.in the proceedings.Providence College, Calicut,(2015). ISBN 978-93-8589-28-7. PP

9..A survey on species composition of the heronry in Thirunavaya and Kuttippuram, Malappuram District, Kerala with special reference to conservation strategies In: Sudhikumar.A.V(Ed) Proceedings of National seminar on faunal diversity and recent trends in animal taxonomy, Dept of Zoology, Christ College, Irinjalakuda.,2018

7. Papers Presented in Seminar/ Conferences

International

1.Presented a paper entitled Population dynamics of coconut mite ,*Aceria guerreronis* in Kerala in the ‘XV International Congress of Acarology,Antalya,Turkey,2018

National

1. Poster presented on Preliminary studies on soil macro and meso Arthropods along Chaliyar river bank. Dept of Botany,NSS College Manjeri.2013

2. Presented a paper on the topic Preliminary Survey on the Diversity of Soil Macrofauna in different habitats, Dept of Zoology,St Teresas College,Ernakulam

3.Presented a paper on the topic Preliminary Study on the Diversity of Soil Mites in different habitats 2014 Chapter in Edited Book 78-81-924940-1-2 Dept of Zoology,St Teresas College,Ernakulam

4.Presented a paper on National Seminar Environmental Issues: Challenges and Concerns Organized by Chair for Gandhian Studies and Research, University of Calicut, Kerala on 26Th and 27th September 2014

5..A preliminary study on the diversity of butterfly pollinators in Farook College campus Kozhikode, Kerala in the UGC sponsored National seminar on understanding biodiversity: progress and problems. dept. of Zoology NSS college Ottapalam 09/09/2015

6..Presented a paper titled “Preliminary study on alpha diversity of Vespid Wsaps (Hymenoptera: Vespidae) of Farook College Campus, Calicut, Kerala’ in the National Conference on Recent Advances in Animal Science,Dept of Zoology, held on 13th -15th Feb 2015 at Mangalore University

7..A preliminary survey of ectoparasites on different domestic animals of Karuvator Village, Calicut ,Kerala Two day National Seminar on Biodiversity-its Concepts and Concern. Providence College, Calicut

8..Biology of *Raoiella macfarlanei* on *Zyzygium jambolanum i*n 26 Swadeshi science congress form 7-9th Nov 2016

9..Poster presntation on in an international seminar named Biodiversity Evaluation, Perspectives & Paradigm shifts., on the A preliminary study on status, threats and conservation strategies of avian fauna in Thirunavaya wetland ,Malappuram, kerala on 11th December**, 2015**. And the paper published in the proceedings .

10.Poster presntation on in an international seminar named Biodiversity Evaluation, Perspectives & Paradigm shiftson a topic A study on incidence of some stored product insect pests and their seasonal variation in selected samples of stored products on 11th December**, 2015**. And the paper published in the proceedings .

9. Conferences/Seminars/ Workshops attended

Conferences

1.‘XV International Congress of Acarology,Antalya,Turkey,2018

2. **I**nternational conference on Immune response in health and disease form 24-25 Jan 2017

3. International Conference on Biodiversity and Evaluation -Perspective and paradigm shifts 2ND &3RD Dec

4.Emerging Frontiers in Chemical Sciences-EFCS-2017., International Conference held at Farook college during 23-25/8/2017.

Seminars

1.Modern Trends in Biology Dept of Zoology, University. of Calicut.24/03/11

2.National seminar on Bio-Technological Approaches and Transitional Research for Human Welfare, current trends in Animal Science Research Dept of Animal Science, School of Bioscience, Central University. of Kerala, Kasaragod 20/03/2012

3.National Seminar on Emerging Trends in Applied Entomology. Directorate of Collegiate Education, Govt. of KeralaDept of Zoology, Govt. Arts and Science College15-16/12/2012

4.First National Biodiversity Congress- India National Biodiversity Authority, India Kanakakunnu palace, TVM. 27/12/2012-30/12/2012

5.WesternGhats- Biogeography, Biodiversity & Conservation UGC Sponsored, National Seminar.NSS College Manjeri 14/2/2013-16/2/2013

6.Biological Conference 2013UGC Sponsored, National Seminar Dept. of Zoology, University of Calicut 11/3/2013-13/3/201**3**7.Bioinformatics Applications in Modern Sciences UGC Sponsored, National Seminar Dept. of Zoology Mercy College, Palakkad 26/9/2013

8.National Workshop on"Intellectual Property Rights"Patent Information Centre- Kerala, KSCSTE,

TVM &Farook College Farook College 12/2/2014

9.Environmental conference 2014.National Level Conferennce Dept. of Environmental Science Central University Of Kerala. 17/2/2014 – 19/2/2014

10.National Seminar on Environmental Movements in Kerala History, Politics &contemporary issuesDept. of History ,Farook College Farook college 17/9/2014---18/9/2014

11.Two day National Seminar on Environmental Issues: Challenges and Concerns Kerala State Council for Science ,Technology and Environment CGSR .University of Calicut. 26.9.2014---27.9.2014

12.Two day National Seminar on Biodiversity-Its Concepts and Concerns Providence College, Kozhikode,15-16 / 01 /2015Providence College, Kozhikode,15-16 / 01 /2015

13.Participated in 26 Swadeshi science congress form 7-9th Nov 2016 at CMFRI,Kochi.

14.Particpated on National Symposium on Behavioural Ecology and Management of Agriculturally Important Insects and Other Animals University of Agricultural and Horticultural Sciences, Shivamoga, Karnataka, India 27th and 28th Dec ,2016

15.Participated in 4th Indian Biodiversity Congress at Pondicherry University on 10-12th March 2017

16..Attended National symposium on Genetics in Clinical medicines on 15-16 th Sept 2017

17.Participated in Singularities International Conference on Beauty on 3-5 th Jan 2018

18.Attended International Seminar on Molecular Biology -an underpinning to Life Sciences FROM 8-9TH Jan 2018

19.Participated National Seminar on Traditional knowledge and their contemporary relevance on 10th Jan 2018

20.National Webinar Series-Malaria in Kerala: Potential for future outbreaks"Dept of Zolology,Farook College(Autonomous)5th June 2020

21.National Webinar Series-Advances in Diagnostics of viruses- from ELISA to next generation sequencing"."Dept of Zolology,Farook College(Autonomous)4th July 2020

22.Participated in the Inter National Online Webinar - NEMATODES THE HIDDEN ENEMY, University of Florida on July 31st 2020

23..Research publications and ethics St. Thomas College,Thrissur on 06/08/2020

24.."Aquariums - A Journey from Hobby to Education to Business",Sree Narayana College, Kollam 19.08.2020

25.Biochemie Webinar Series #2 2020 Therapeutic Significance of Yoga , St. Thomas College, Pala on 05/09/2020

26.Mosquito borne diseases in Kerala: an update" organized by Department of Zoology, Milad-E-Sherief Memorial College, Kayamkulam 25/08/20

27.Covid-19 Diagnosis Fundamentals -current diagnostic techniques and future direction, Nirmala College, Muvattupuzha on 22/08/20

28.International Webinar How fundamental research drive cancer prevention and treatment" Department of Zoology, HHMSPB NSS College for Women, Neeramankara, Thiruvananthapuram on 7/11/2020

29. National WebinarAnthropogenic impacts on Zoochores, IQAC, Nesmony Memorial Christian College, Marthandam on 28th July 2021

30. National Webinar"Molecular tracers: paving the way for a new age of therapeutics and personalized medicine " organized by National College (Autonomous), Kollam on 19/07/2021

31. Resilience and Pandemic"Post Graduate Department of Psychology, Kristu Jyoti College of Management & Technology, Chethipuzha, Changanacherry on 3rd July 2021

32.National level webinar on Post Covid Wellbeing Risks and Changeless, School of Biosciences and DST Purse ,MG University10th June -11th Jine 2021

33.National level webinar onClinical cytogenetics :chromosome to genomics Post Graduate Department of Physics & Research Centre, St. Xavier's College for Women, Aluva in association with the National Institute of Technology, Karnataka, on 20/03/21.

34.National level webinar on Benthic Productivity in Ocean Hotspot IQAC, Nesmony Memorial Christian College, Marthandam 08/06/2021

35.Music as a Language' Sree Narayana College, Kollam as part of AGORA-2021on 06/06/2021

36.National level webinar on Urban Bird Survey and Documentation' . Sree Narayana College, Kollam as part of AGORA-2021 on 06/-6/2021

37.International Webinar on Cancer Biology organized by Department of Botany & Biotechnology, Newman College, Thodupuzha, Kerala in association with Society for Biotechnologists (India) and Research Centre, Saveetha Medical College and Hospital, Chennai on September 19, 2020

38..Webinar on “Unlocking Dengue in the time of Covid 19” organized by Health Club& IQAC, S N College, Kollam on 01.08.2020

39.Participated in the International Webinar on ‘Perspective of Molecular Approaches in Entomology’ organized by Shadpada Entomology Research Lab (SERL), Department of Zoology, Christ College (Autonomous), Irinjalakuda, Kerala on 17th September 2020.

40. Participated in the on line lecture series on Bio-Fest organized by Dept of Zoology,NSS College Nenmara from 23-25 September 2020

41.participated in the National Webinar Series entitled “*COVID 19 – What you need to Know”* organized by the Department of Microbiology, Sree Narayana College, Kannur, Kerala in association with IQAC on 5th, 12th and 19th September 2020.

42.Participated in the webinar on 'COVID - 19 Diagnosis: Fundamentals, Current Diagnostic Techniques & Future Directions’ jointly organized by the Department of Biochemistry and Internal Quality Assurance Cell,TKM College of Arts &Science,Kollam on 12/09/2020.

43. Participated in the Wbinar on Cytogenetics :chromosomes to genomocs organized by Dept of Zoology,St.Thomas College, Kozhancher on 14 th June 2021

6.Workshops

1.Trainning Workshop on Bioinformatics, Kerala State Higher Education Council, Govt. of Kerala collaboration with PG and Research Center in Aquaculture and Fishery Biology,MES,Ponnani 4-5/08/2010

2.One day Workshop on Innovative Pedagogy in Zoology Curriculum, PG and Research Dept of Zoology, Farook College in Collaboration with MGDC, Thiruchirappilly07/10/2010

3.Workshop on SC-ST Students Empowerment Calicut University 27-28/09/2012

4. UGC sponsered Work shop on Ecological Net work from species to Landscape in Riverine Biocenose, PG and Research Dept of Zoology, Farook College6-7/02/2013

5. Attended work shop on Total improvement programme for faculty organized by Karl kubel institute for development education, Mankarai, Coimbatore from 15/3/2014 – 16/3/2014

6. National Workshop on “Intellectual Property Rights” Jointly organised by Patent Information Centre, Kerala/KSCSTE and, Farook College, Calicut on 12th February 2014.

7.National Workshop on “Clinical Hypnotherapy” organised by Department of Psychology, Farook College, Calicut on 24th & 25th June 2014.

8.National workshop on” Biostatistical Aspects of Clinical Trials and its implementation through R” by the Dept of Statistics, Farook college during December 18-19,2014.

9.UGC sponsered Two-day national workshop on wetland biodiversity- conservation management and restoration for our future organized by Dept. of Zoology Farook College from 11/8/2015 & 12/8/2015

7..Attended International training workshop on taxonomy of bivalve Molluscs by CUSAT From 10 th -14th May 2016
8..Attended An International training work shop at Acarology Laboratory, University of Sauo Paulo,Brazil From 13 th May -13Th June,2018
9..International one day workshop on Current Trends in Biostatistics by IQAC, Nesmony Memorial Christian College, Marthandam, June 2021
10,.Completed a Two-Week course on " Mentoring Adolescents", conducted by The All Kerala Private College Teachers' Association in June 2021

11.Participated in the workshop ‘Basic Bioinformatics: Tools & Techniques’ by Ms. Sona Charles, Scientist, ICAR-IISR organized by PG & Research Department of Zoology, St. Joseph’s College (Autonomous) Devagiri, Calicut, Kerala, India on October 21st & 22nd, 2021

12.Participated one day online workshop on Creation of Digital and Educational Posters on 20th September 2020

13.participated in the online workshop on ‘Insect Taxonomy’ organized by department of Zoology in association with IQAC on 25th September 2020

14.Three-day Biotechnology Excellence Programme, a hands-on workshop on molecular biology and bioinformatics” by Dept. Of Zoology, Farook college in collaboration with Kerala Higher Education Council on 29th and 30th November 2021.

9. Research Guidance

Recognized as research giude from 19/09/2017 onwards

Ph.D.

1.Praveena .k Topic:Beneficial aspects of Oribatid mites in relation to environment

2. ShabanaT.P: Topic:Studies on Soil Mesostigmata

3. Indu.K.Topic: Studies on house dust mites

4.RahanaMoideenKoya.V.K.Topc:studies on mites associated with planatation crops

11. Research Projects

Minor Projects

1. UGC Funded two year project “Studies on Mites of Oricultural importance “.

12. Career Advancemnt

Orientation/Induction Programme

1. Participated in UGC sponsored One Month orientation Programme organized by Human Resource Development Centre, University of Calicut from 17/11/2011-14/12//2011
2. Participated in UGC sponsored Two day orientation Programme organized by PSMO college,Thirurangadi from 12/02/2011-13/02/2011
3. Two-day orientation programme on bird watching sponsered by Kerala State Council for science Technology & Environment (KSCSTE) at KFRI, Peechi, on 7th &8 th May, 2015

Refresher

1. Participated UGC sponsered Three – week refresher course organized by HRDC ,**University of Calicut** from `04/7/2014-24/7/2014

2. Participated UGC sponsered Two – week refresher course organized by HRDC-UNIVERSITY OF KERALA from 02/12/2020 to 15/12/2020

3. UGC Sponsered Two – week refresher course organized by MG University and STRIDE -DBCT in Environmental science from 2021

4.Participated UGC sponsered Two – week refresher course in Biological science organized by HRDC ,**University of Kannur** from `14/09/2022- 27/09/2022

2,Faculty Development programme

1. Latex document preparation system. Marthoma College, Thiruvalla in collaboration with IIT Bombay**17-**21/08/20

2.Participated in One Week online Short term Faculty Development Programme on ICT Tools for Teaching Learning Process- Post, Pandem Educational Strategiices, Sree Narayana College, Kollam,August 17-23 , 2020.

3.One-week Faculty Development Programme (FDP) Best Practices for Online Teaching: Classrooms, Courseware and Tools KSHEC), Thiruvananthapuram 8th to 14th July 2021

3.**Conferences/Seminars/Workshops Organized**

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1. Organising committee member of One Day Workshop on Innovative pedagogy for Laboratory Exercise in Zoology Curriculum organized by Department of Zoology, Farook College in collaboration with MGDC on 7th October 2010
2. Organizing committee member of National Workshop on Ecological Networks- From Species to Landscape in Riverine Biocenose, organised by Post Graduate & Research Department of Zoology, Farook College, Calicut on 6th & 7th February 2013.
3. Member, Organising Committee, National workshop on Wetland Biodiversity**.- Conservation, Management and Restoration for Future Use By Farook college,from 11th &12th Aug 2015**
4. Member, Organising Committee,National Seminar on Biodiversity-Its Concepts and Concerns held on 15th &16th Jan 2015
5. Organizing committee member, UGC sponsored two day International Seminar on Molecular Biology-an Underpinning to Life Sciences by Dept of Zoology, Farook college from 8th to 9th, January, 2018.
6. Organizing committee member of UGC sponsored National Seminar on Western ghats Conservation: Lessons from recent floods in Kerala organized by Dept. of Zoology, Farook college from 12th to 13 December, 2018
7. Organizing secretary of Erudite lecture on Acarology- A potential area for Biological Research By Prof.(Dr.)Gilberto Jose De Moraes,University of Sauo Pulo,Brazil on 13 th March 2018
8. Organizing committee member of Two-day Biotechnology Excellence Programme, a hands-on workshop on molecular biology and bioinformatics" by Dept. Of Zoology, Farook college in collaboration with Kerala Higher Education Council on 29th and 30th November 2021.
9. Organizing Committee member, , in two days webinar in connection with WILDLIFE WEEK-2020 in collaboration with Islamia college of Science and Commerce, Srinagar during 8th and 9th October - 2020.

14. Administrative Responsibilities (Govt, Quasi Govt, Universities)

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1. Member, Board of Studies (U.G.), Zoology, University of Calicut (2013-15)
2. Member , Board of Studies, Human Physiolgy , University of Calicut (2018-20)
3. Member .Board of Studies, Life sciences, Farook College(2017-22 till date)
4. Additional Chief Examiner of Calicut University (2010-22 till date)

15. Extension Activities (Administraion/Cocurricular)

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1. Member& Dept co-ordinator , IQAC Core Committee, Farook College
2. Executive Member,Women cell ,Farook College
3. Research Critereon Co ordinator of NAAC Accreditation Committee,Farook College
4. Convener ,Sexual harassment Committee,Farook College
5. Executive Member PTA Committee, Farook College
6. Research Co ordinator of Dept of Zoology,Farook College
7. Director board member , Co-operative Society, Farook (Autonomous)College

8. Member FIST Committee, Farook College (Autonomous)
9. Director board member , Tenancy Housing Society, Farook (Autonomous)College

16. **Membership in Professional Bodies**

1.Member, International Acarological Society

19. Author profiles and identifiers

1. Web Page: https://sites.google.com/farookcollege.ac.in/sobha
2. Linked in: https://www.linkedin.com/in/sobha-raghav-2611471b1/

3.Google Scholar: https://scholar.google.com/citations?view_op=new_articles&hl=en&imq=Sobha+Raghav#

4.ORCID ID: 0000-0001-6311-6455

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