Detailed Biodata

Dr. SantoshBalasahebKamble

Position : Assistant Professor in Chemistry

Raman Post-Doctoral Fellow-USA

Address: Department of Chemistry,

Yashavantrao Chavan Institute of Science, Satara.

Phone : 09823524565 **Email:** Santosh.san143@gmail.com

❖ **Formal Education**

Degree	Board/University	Subject	Year of Passing	Percentage/ Grade
Ph.D	Shivaji University, Kolhapur	Organic Chemistry	July 2012	-
M.Sc.	Shivaji University, Kolhapur	Organic Chemistry	April 2008	67.54%
B.Sc.	Shivaji University, Kolhapur	Chemistry	April 2006	78.76%

❖ **Post -Doctoral Research from Georgetown University, Washington DC, USA in 2016-17.**

Research Areas:

- Organic Chemistry (Synthesis of Biologically important Scaffolds).
- Organic synthesis via Green Approach.
- Synthetic Methodology
- Synthesis and applications of Low-Molecular Weight organic Gelators
- Use of Nano-materials and composite for organic synthesis

❖ **Projects Completed:**

Sr. No.	Title of Project	Funding agency	Period	Amount sanctioned
1.	Hydrotrope Mediated Organic Transformations	Department of Science and Technology Science and Engineering Research Board (DST-SERB)	2014-2016	**Rs. 12,00,000/-**
2.	Sustainable Hydrotropic Medium for Organic Transformation and synthesis of Nano material	University Grant Commission (UGC)	2015-2018	**Rs. 6,17,000/-**

3.	Synthesis and applications of aqueous hydrotropic mediated nanoparticles for organic studies	RUSA	2018-2020	**Rs.50,000/-**
4.	Sustainable Role of Nanocatalyst for Organic Transformation	RUSA	2020-2021	**Rs. 1,50,000/-**

1. **Minor Research Project from YCIS Satara from 2018-2020.**

❖ **Current Research Status:**

Citations	**567**
H-index	**15**
i-10 index	**19**

❖ **Fellowships/ Scholarships:**

- UGC Meritorious-JRF

❖ **Awards:**

1. Best Paper Presentation (Third Rank) in National Conference on Frontiers in Chemical and Biological Sciences-FCBS-2013at P.D.V.P. College, Tasgaon.
2. Best Paper Presentation (First Rank) in National Conference on Emerging Trends and Techniques in Chemistry. ETTC- 2013 at Y.C.I.S. Satara.
3. UGC "Start-Up Grant" for newly recruited faculty.
4. Raman Post-Doctoral Research Fellow, Department of Chemistry, Georgetown University, Washington DC, USA.
5. Best Researcher Award in International Conference at Chennai in February 2020.
6. Young Research Award by Institute of Scholar Bangalore October 2020
7. Best Teacher Award, YCIS, Satara-2021

❖ **Research Guidance:**

1. Mr. Pramod M. Gaikwad M.Sc, GATE worked as Project Assistant on DST-SERB sanctioned Major Research Project.
2. 4 Ph.D. Students working
3. 1 M. Phil. Students working
4. 1 student for M.Sc. by T&D

❖ **No. Students guided for M.Sc. Projects:**

1.	At Department of Applied Chemistry, Shivaji University, Kolhapur from Year 2008 to 2013	30
2.	At Department of Chemistry, Yashavantrao Chavan Institute of Science, Satara from Year 2013 to till date	40

- **Teaching Experience:**

  UG: 09 PG: 13

2. Visiting Faculty

a. PG Department, P.D.V.P.College, Tasgaon, Dist. Sangli, MS India (2008-2011).

b. PG Department, K.R.Kanya College Islampur

- **Books Published:**

  International: 01

  1. Hydrotrope Mediated Organic Synthesis. Lambert Academic Publishing, Germany.

- **Papers Published in National/International Journals: 34**

Sr. No	Name of Authors	Title of the Research Paper	Name of the journal	Volume, year and page	Impact Factor
1	Santosh Kamble, Gajanan Rashinkar, Arjun Kumbhar, Madhuri Barge and **Rajashri Salunkhe***	Ultrasound promoted efficient and green synthesis of β-amino carbonyl compounds in aqueous hydrotropic medium	Ultrasound Sonochemistry	2012, 19, 812–815	3.567
2	Santosh Kamble, Gajanan Rashinkar, Arjun Kumbhar, Kavita Mote and **Rajashri Salunkhe***	Hydrotrope Induced Catalysis in Water: A Clean and Green Approach for the Synthesis of Medicinally Relevant Bis(indolyl)methanes and 2-Aryl benzimidazoles	Synthetic Communications	2012, 42:5, 756-766	1.062
3	Santosh Kamble, Gajanan Rashinkar, Arjun Kumbhar, Santoshkumar Pore	Hydrotrope Induced Efficient Synthesis of 1,8-Dioxo Octahydroxanthene in Aqueous Medium	Green Chemistry Letters and Reviews	2012, 5, 101-107	0.976

	and **Rajashri Salunkhe***				
4	S. Kamble, G. Rashinkar, A. Kumbhar, K. Mote and **R. Salunkhe***	Green chemistry approach for synthesis of 5-arylidine barbituric acid derivatives by hydrotrope induced Knovenagel condensation in aqueous Medium	Archives of Applied Science Research	2010, 2 (2), 217-222	ISSN No: 0975-508X
5	G. S. Rashinkar, **S. B. Kamble**, A. S. Kumbhar and R.S. Salunkhe*	Facile Synthesis of Ferrocenylamines in aqueous hydrotropic solution using microwaves	Transition Metal Chemistry	2010, 35, 185-190	1.02
6	ArjunKumbhar, **SantoshKamble**, GajananRashinkar and Rajashri Salunkhe*	The Task Specific Ionic Liquid promoted reaction: An expeditious synthesis of privileged 1,8 - dioxo-octahydroxanthene	Archives of Applied Science Research	2010, 2(4), 235-239	ISSN No: 0975-508X
7	Kavita Mote, GajananRashinkar, Santosh Pore, **SantoshKamble**, ArjunKumbhar and RajashriSalunkhe*	Acaciaconcinna pods: As a green catalyst for highly efficient synthesis of acylation of amines	Archives of Applied Science Research	2010, 2(3), 74-80	ISSN No: 0975-508X
8	G. S. Rashinkar, **S. B. Kamble**, A. S. KumbharandR. S. Salunkhe*	An expenditious synthesis of homoallylic alcohols using bronsted acidic supported ionic liquid phase catalyst with pendant ferrocenyl group	Catalysis Cmmunicatio n	2011, 12(15), 1471	2.98

9	ArjunKumbhar, **SantoshKamble**, Madhuri Barge, GajananRashinkar, RajashriSalunkhe*	Brönsted Acid Hydrotrope Combined Catalyst for Environmentally Benign Synthesis of Quinoxalines and Pyrido[2,3-b]pyrazines in Aqueous Medium	Tetrahedron Letters	2012, 53 (22), 2756-2760	2.683
10	ShitalShinde, GajananRashinkar, ArjunKumbhar**SantoshKamble** and R.S. Salunkhe*	Facial Knovenagel and domino Knovenagel/Micheal reaction using Gel Entraped Base Catalysis	Helvetica ChemicaActa	2011, 94, 1943-1957	1.28
11	ArjunKumbhar, **SantoshKamble**, Sanjay JadhavGajananRashinkar and RajshriSalunkhe*	Silica Tethered Pd–DABCO Complex: An Efficient and Reusable Catalyst for Suzuki–Miyaura Reaction	Catalysis letter	2012, 142, 1388-1396	2.242
12	ArjunKumbhar; Sanjay Jadhav; **SantoshKamble**; GajananRashinkar,RajeshriSalunkhe*.	Palladium Supported Hybrid Cellulose-Aluminum Oxide Composite for Suzuki-Miyaura Cross Coupling Reaction	Tetrahedron Letters	2013,54 (11), 1331-1337	2.588
13	Madhuri Barge, **SantoshKamble**, GajananRashinkar, ArjunKumbhar, and RajashriSalunkhe*	Hydrotrope: Green and rapid approach for the catalyst-free synthesis of pyrazole derivatives	Monatshefte fur Chemie	2013, 144 (8), 1213-1218.	1.402
14	ArjunKumbhar,	Modified zeolite immobilized palladium for ligand-free	Journal of Organometall	2013, 738(15), 29-34	2.00

	SantoshKamble, Anand Mane, RatneshJha, RajashriSalunkhe	Suzuki–Miyaura cross-coupling reaction	ic Chemistry		
15	ArjunKumbhar; Sanjay Jadhav; **SantoshKamble**; GajananRashinkar,RajeshriSalunkhe*.	Pd@ Al2O3-Cellulose for Suzuki-Miyaura Cross-Couplings	Synfacts	2012, 9	ISSN: 1861-1958 E-ISSN: 1861-194X
16	Sanjay Jadhav; ArjunKumbhar; **SantoshKamble**; RajeshriSalunkhe*.	Gel-Entrapped Bases: A Smart Window for Ligand-free Suzuki-Miyaura Cross Coupling Reaction	Comptesrendus - Chimie	Accepted CRAS2C 3789	1.920
17	PallaviPatil, **SantoshKamble**ArjunKumbhar,aRajashriSalunkhe*	Efficient and Green Methodology for synthesis of Aldimines in Aqueous Hydrotropic solutions	International Journal of Global Research in Science and Technology	2013,1 (1), 28-35	-
18	ArjunKumbhar; Sanjay Jadhav; **SantoshKamble**; GajananRashinkar,RajeshriSalunkhe*.	Palladium Supported Hybrid Cellulose-Aluminum Oxide Composite for Suzuki-Miyaura Cross Coupling Reaction	Tetrahedron Letters	2013,54 (11), 1331-1337	2.588
19	Madhuri Barge, ArjunKumbhar; **SantoshKamble;** GajananRashinkar,RajeshriSalunkhe*.	Hydrotrope: Green and rapid approach for the catalyst-free synthesis of pyrazole derivatives	Monatshefte fur Chemie	2013, 144 (8), 1213-1218.	1.402
20	**SantoshKamble**;,ArjunKumbhar; Sanjay Jadhav; RajeshriSalunkhe*.	Microwave assisted attractive and rapid process for synthesis of octahydroquinazolinone in aqueous Hydrotropic solutions	Journal of Procedia Material Science	2014, 6, 1850-56	ISSN: 2211-8128

21	**SantoshKamble**;,ArjunKumbhar; Sanjay Jadhav; RajeshriSalunkhe*.	Aza-Micheal Reaction in Glycerol as a Sustainable Hydrotropic Medium	Materials Today Proceedings	2015, 2, 1792 – 98	ISSN: 2214-7853
22	AA Patil, **SB Kamble**, GS Rashinkar, RS Salunkhe	Ultrasound promoted synthesis of 1, 2-disubstituted benzimidazoles using aqueous hydrotropic solution	ChemSci Rev Lett	2015, 3 (10), 214-220	4.856
23	Ananada S. Kudale, Naganath G. Patil, **Santosh B. Kamble**, Shobha V. Rupanar And Vasant B. Helavi	Design, Synthesis and Photophysical Properties of New 2,6-Dicyanoanilines Based on Isophthalaldehyde and Terephthalaldehyde Skeleton	Chemical Science Transactions	2016, 5(2), 371-376	ISSN:2278-3458
24	B Shinde, **S Kamble**, P Gaikwad, V Ghanwat, S Tanpure, P Pagare,	Novel catalytic application of Ni@ ZnO nanoparticles and ZnOnanoflakes in aqueous solution of NaPTShydrotrope at room temperature via a green synthesis.	Research on Chemical Intermediates	2018, 1-17	1.369
25	Chaitali S Bagade, Vishvanath B Ghanwat, Santosh B Kamble, Popatrao N Bhosale	Synthesis, characterization and application of nanocrystallineCdZn(SeTe)2 thin films for energy application	AIP Conference Proceedings (American Institute of Physics)	2018,1989,030003	ISBN: 978-0-7354-1705-2
26	Ananada S Kudale, Santosh B Kamble, Anil H Gore, Mahesh M Pisal, Anil T Salokhe, Govind B Kolekar, Vasant B Helavi	One-pot three-component synthesis and photophysical properties of highly fluorescent novel 4-alkyl-3-aryl-2,6-dicyanoanilines by using tris(hydroxymethyl)aminomethane as a catalyst	Chemical Data Collections	2019, 19, 100-172	ISSN 2405-8300
27	Sanjay Jadhav, Seema Patil, Arjun Kumbhar, Santosh Kamble, Rajashri Salunkhe	Mizoroki–Heck cross-coupling reactions using palladium immobilized on DABCO-functionalized silica	Transition Metal Chemistry	2019, 1-8	1.106

28	Bipin Shinde, Santosh B Kamble, Dattaprasad M Pore, Prasad Gosavi, Amol Gaikwad, Harsharaj S Jadhav, Bhausaheb K Karale, Arvind S Burungale	pH-Transformed ZnO-NPs/NaPTS: The First Room-Temperature Brisk Synthesis of Flavanones in Aqueous Medium	Chemistry Select	2018,3 (46), 13197-13206	1.716
29	B Shinde, SB Kamble, HS Jadhav, BK Karale, KG Kanade, AS Burungale	The Calotropis procera Transformed Green NiO and Fe-NiO Nanoparticles for Diaryl Pyrimidinones Synthesis in Hydrotropic Medium at Room Temperature	Chemistry Select	2018, 3 (46), 13140-13153	1.716
30	Aboli Sapkal, Santosh Kamble	Sodium toluene-4-sulfonate as a reusable and ecofriendly catalyst for Greener Synthesis of 5-aminopyrazole-4-carbonitrile in aqueous medium	Journal of Heterocyclic Chemistry	2020	1.484
31	Pramod Gaikwad, Santosh Kamble	Microwave Enhanced Green and Convenient Synthesis of 2-amino-4H-chromenes in Aqueous Hydrotropic Medium	Current Research in Green and Sustainable Chemistry	2020	ISSN: 2 666-0865
32	Suraj Attar, Bipin Shinde, Santosh Kamble	Enhanced catalytic activity of bio-fabricated ZnO NPs prepared by ultrasound-assisted route for the synthesis of tetraketone and benzylidenemalonitrile in hydrotropic aqueous medium	Research on Chemical Intermediate	2020	2.040
33	Aboli Sapkal, Santosh Kamble	Greener and Environmentally Benign Methodology for the Synthesis of Pyrazole Derivatives	Journal of Chemistry Select	5, 2020, 12971-13026	1.484
34	Bipin Shinde, Santosh Kamble, Harsharaj Jadhav, Prasad Mane, Kalpesh Khude, Hern Kim, Bhausaheb Karale, Arvind	'In water'exploration of Alpinia zerumbet-fabricated CuO NPs in the presence of NaPTS at room temperature: green synthesis of 1, 8-dioxooctahydroxanthene derivatives	Research on Chemical Intermediate	47 (3), 2021 1221-1237	2.040

	Burungale				
35	Sandip Patil, Pushpendra Sharma, Santosh Kamble	Sodium toluene-4-sulfonate Catalyzed Microwave Assisted Efficient Synthesis and Antimicrobial Assay of Substituted 2-aryl benzoxazoles in Aqueous Medium	Journal of Chemistry and Chemical Sciences	11(8), 2021, 83-93.	4.525
36	Arjun Kumbhar & Santosh Kamble Siddharth Kamat, Yashovardhan Indi	An aqueous hydrotropic solution as environmentally benign reaction medium for organic transformations: a short review	Research on Chemical Intermediates	6(17) 2022	3.134
37	Ganesh S. Nhivekar, Sourabh R. Jagdale, Santosh B. Kamble, Bharat T. Jadhav, Rajanish K. Kamat Tukaram D. Dongale*	Versatile Three-in-One Single Beam Visible Colorimeter for Undergraduate Chemistry Laboratories	Journal of Chemical Education ACS	2022	3.208
38	Suraj R. Attar, Santosh B. Kamble	Evolution of Nanoparticles towards Sustainability and their Application for Organic Transformation in Aqueous Medium	Nanoscale	2022	8.307
39	Aboli Sapkal, Suraj Attar, Avdhut Kadam, Pramod Gaikwad, Santosh Kamble	Clean and Green Approach for Synthesis of Various Derivatives of [1, 3]Oxazine in Sustainable Aqueous Hydrotropic Medium	Journal of Polycyclic Aromatic Compounds	2022	3.4
40	Suraj R. Attar, Aboli C. Sapkal, Sarfraj H. Mujawar, Santosh B. Kamble	Gel Entrapped ZnO Nanorods: an efficient and sustainable catalyst for the Claisen-Schmidt Condensation Reaction in Aqueous Hydrotropic Medium	Journal of Molecular catalysis	542, 2023, 113120	5.062

41	SR Attar, AC Sapkal, NS Dhane, SB Kamble	Agar Supported NiO NPs: A Sustainable Approach for synthesis of 3, 4-dihydropyrimidin-2 (1H)-Ones in Aqueous Hydrotropic Media	Catalysis Letters	1-13, 2023	3.186
42	SR Attar, AC Sapkal, CS Bagade, VB Ghanwat, SB Kamble	Biogenic CuO NPs for synthesis of coumarin derivatives in hydrotropic aqueous medium	Research on Chemical Intermediates	1-16, 2023	3.3
43	Aboli Sapkala, Suraj Attara, Jaykumar Chavanb, Arjun Kumbharc, Santosh Kamble	*Zingiber zerumbet*: A green and ecofriendly natural surfactant for the synthesis of Bis(indolyl)methane, tris-indoline and spirooxindole derivatives o	Sustainable Chemistry and Pharmacy	Accepted 2023	6.0
44	Aboli Sapkal, Suraj Attar, Santosh Kamble	Greener and Environmentally Benign Methodology for the Synthesis of Bis(Indolyl)methane and Trisindolines	Journal of Shivaji University	Accepted 2023	ISSN

Paper published in proceedings / National / International conference / Workshop/ Symposium

Sr. No.	Title of the paper presented	Title of Conference / Seminar	Organized by with date
1	Ferrocene Labelled supported ionic liquid phase (SILP) catalyst containing organocatalytic anion for multi-component synthesis	National seminar on "Advanced synthetic methodologies and Functional materials" (ASMFM-2009)	Shivaji University, Kolhapur,(M.S.) India 23-24 December- 2009

2	Green Chemistry Approach for Synthesis of 5-arylidine barbituric acid Derivatives by Hydrotrope Induced Knoevenagel Condensation in Aqueous Medium	National conference on Recent trends in Chemistry	Yashavantraochavan Institute of Science, satara. 14-15 October 2010
3	A clean and green approach for the synthesis of medicinally releavent 2-Aryl Benzimidazoles in aqueous hydrotropic solution	Advances in synthetic methodologies and new materials. (ASMNM)	Shivaji University, Kolhapur,(M.S.) India. 21-22 January-2011
4	An Expeditious Multi-component Synthesis Using Ultrasoundand DABCO Based Ionic Liquids in Aqueous Medium.	Advances in synthetic methodologies and new materials. (ASMNM)	Shivaji University, Kolhapur,(M.S.) India. 21-22 January-2011
5	Efficient and green synthesis of β-amino carbonyl compounds in aqueous hydrotropic medium by ultrasound irradiation	Advances in synthetic methodologies and new materials. (ASMNM)	Shivaji University, Kolhapur,(M.S.) India. 21-22 January-2011
6	Silica tetheredPd-DABCO complex: An efficient and reusable catalyst for C-C coupling reaction	2nd International Conference on "Emerging Trends in Chemical Sciences" ETCS-2012 2nd-4thNovember, 2012	School of chemical Sciences, Solapur University, Solapur
7	Hydrotropic Mediated Green and Efficient Synthesis of Aldimines	Recent Trends in Nanotechnology-2012 (NCRTNT -2012)	Vivekanand College, Kolhapur.
8	Modified zeolite immobilized palladium for ligand-free Suzuki–Miyaura cross-coupling reaction.	CATSYMP-21, 2013	IICT, Hydrabad
9	Silica Tethered Pd–DABCO Complex: An Efficient and Reusable Catalyst for Suzuki–	Natonal conference on current research in chemical sciences 22-	Shivaji University, Kolhapur

	Miyaura Reaction	23 January 2013 CRCS-2013	
10	Microwave Assisted Synthesis of Octahydroquinazolinone in Aqueous Hydrotropic Solutions	Frontiers in Chemical and Biological Sciences-FCBS-2013 23-24 September, 2013	P.D.V.P. College, Tasgaon
11	Synthesis of Quinoxalines and Pyrido[2,3-b]pyrazines Through the Application of the Suzuki–Miyaura Cross-Coupling Reaction	Emerging Trends and Techniques in Chemistry. ETTC-2013.	YashvantraoChavan Institute of Science, Satara
12	Medicinally Relevant Synthesis of Bis(Indolyl) Methane in Aqueous Hydrotropic Solution	International Conference on at satara	YashvantraoChavan Institute of Science, Satara
13	Microwave Assisted Synthesis of Octahydroquinazolinone in Aqueous Hydrotropic Solutions	ICMPC-2014	GRIT Hydrabad
14	Mizoroki-Heck Cross-Coupling Reaction Using Immobilized Palladium DABCO Catalyst	Third International Conference on Polymer Processing and CharacterizationICPPC 2014	Mahatma Gandhi University, Kottayam, Kerala, India
15	Aza-Micheal Reaction in Glycerol as a Sustainable Hydrotropic Medium	ICMPC-2015	GRIT Hydrabad
16	Synthesis of low-molecular weight organic gelators from a long-chained, naturally occurring fatty acid	17th MASM: The Mid-Atlantic Soft Matter Workshop 16 Feb. 2017	University of Delaware Newark USA

17	ZnO Nanoparticles catalyzed Green and Highly Efficient Method for the Synthesis by 1,5-Benzodiazepines in Hydrotropic Medium at Room Temperature	International conference on Chemistry, Environment and Energy	Yashavantrao chavan Institute of Science, satara. 17-18 February 2019
18	Microwave Enhanced Green and Convenient Synthesis of 2-amino-4H-chromenes in Aqueous Hydrotropic Medium	India International Science festival IISF-2018, Lucknow	Gov. of India
19	Hydrotrope as a reusable and ecofriendly catalyst for sutainable synthesis of 5-aminopyrazole-4-carbonitrile in Aqueous Medium	India International Science festival IISF-2019, Kolkata	Gov. of India
20	A Highly Efficient One-Pot Synthesis of Spirooxindol in Aqueous Medium By Using Hydrotrope.	08/01/2020 NCACS-2020	Y.C. College Karad.
21	The α-Fe2O3 Nanoparticles Catalysed Synthesis Novel Synthesis of Pyrazoles Derivatives.	08/01/2020 NCACS-2020	Y.C. College Karad.
22	One Pot Three-component Efficient Method for the Synthesis of 1,5-Benzodiazepines by Using ZnO NPs / Oxalic acid at Room Temperature.	08/01/2020 NCACS-2020	Y.C. College Karad.
23	A Simple & Clean Method for Synthesis of Ascorbic Acid Gelators in Aqueous Medium as an Effective & Green System.	08/01/2020 NCACS-2020	Y.C. College Karad.

24	Green Synthesis of Octahydroquinazolinone Derivatives in Aqueous Acacia Extract.	ETCMS-2020 06/07/03/2020	Department of Chemistry, Shivaji University Kolhapur.
25	Green Synthesis of Zinc Oxide Nanoparticles & Investigation of Their Bactericidal Applications.	ETCMS-20200 6/07/03/2020	Department of Chemistry, Shivaji University Kolhapur.

National / International conference / Workshop/ Symposium attended: 40

Research Membership/ Research Work

1. **Reviewer** for Journal of Indian Chemical society
2. **Reviewer** Open Access Peer Reviewed Medical & Scientific Journals

   Libertas Academica
3. **Reviewer** Organic Chemistry Insights
4. **Reviewer** Macromolecular Symposia
5. **Reviewer** Journal of Advances in Chemistry
6. **Reviewer** Journal of Chemical Engineering and Science
7. **Reviewer** Journal of Research on Chemical Intermediate
8. **Reviewer** Journal of Current Research in Green and Sustainable Chemistry
9. **Coordinator** International Conference on Chemistry, Energy and Environment 2019
10. **Organizing Secretary** International Conference on Multidisciplinary Approach and Innovations in Chemical Sciences 2022

❖ **Member of-**

1. Green Chemistry
2. Nano materials

❖ **Editorial Membership**

1. **Savvy Science Publisher**

2. **Current Organic Chemistry: Associate Editor**

❖ **Administrative Experience**

1. Coordinator M.Sc. Organic Chemistry
2. Chairman Lead College Scheme
3. Coordinator Common Facility Centre (CFC)
4. Coordinator Rayat Skill Development Cooper Industry
5. Coordinator Research Methodology PG Course
6. Coordinator AISHE
7. Coordinator UGC, NIRF [Rank Band-101-150 year 2021, Rank Band 151-200 year 2022]
8. Coordinator Avishkar