NAME: DR. SAMRAT ADHIKARY

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Publons ID: W-4606-2019

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Contacts: 9800287754/7050069176

PERSONAL DETAILS

Father's name: Panchu Gopal Adhikary

Date of birth: 20/04/1993

Language known: English, Hindi, Bengali

Permanent address:

C/o -Panchu Gopal Adhikary, VILL- Jangipara, P.O. +P.S.-Jangipara,

DIST -Hooghly, PIN -712-404(W.B.)

ACADEMIC CREDENTIAL:

Courses	Institution	University/Boards	Year of Passing	Percentage/ CGPA
Ph.D in Agril. Chem. & Soil science (Ag)	Bidhan Chandra Krishi Viswavidyalaya	B.C.K.V. (Nadia,Mohanpur,W.B)	2021	8.35
M.Sc in Soil Sci. & Agril. Chem. (Ag)	Bihar Agricultural University	Bihar Agricultural University (Sabour, Bhagalpur, Bihar)	2017	8.73 (with distinction)
B.Sc (Ag) Hons.	Uttar Banga Krishi Viswavidyalaya	U.B.K.V. (Cooch Behar pundibari, W.B.)	2015	7.56
Higher Secondary	Jangipara D.N. High school	W.B.C.H.S.E.	2010	80.40
Secondary	Jangipara D.N. High school	W.B.B.S.E.	2008	76.62

Research Area

Samrat Adhikary currently works as a Programme Assistant (Lab Technician) in Dhaanya ganga Krishi Vigyan Kendra, RKMA, Sargachi. He completed his PhD from the Department of



Agricultural Chemistry & Soil Science, Bidhan Chandra Krishi Viswavidyalaya (Mohanpur, Nadia, WB). Samrat took his research interest in Soil Fertility and Chemistry, Plant Nutrition, Micronutrients and to some extent of Nanotechnological field in Agriculture. Their most recent publication from the Master's degree research programme is "Field evaluation of Zincated nanoclay polymer composite (ZNCPC): Impact on DTPA-extractable Zn, sequential Zn fractions and apparent Zn recovery under rice rhizosphere "(Soil and Tillage Research, NAAS – 11.37, Impact factor – 5.37).

AWARDS/ HONOURS:

- ➤ University Merit scholarship at U.G. level from 2011-2015.
- Awardee (Qualified) of ICAR AIEEA-JRF in Physical Science in 2015.
- ➤ Awardee (Qualified) of ICAR AIEEA-SRF (PGS) in Soil Chemistry/Fertility/Microbiology in 2017.
- ➤ An awardee of **Zonal (East) Award from Indian Society of Soil Science (ISSS)** for best M.Sc. dissertation Programme.
- Awardee as University Research Scholarship (URS) in PhD. Programme.
- Awardee as **IInd** position in Oral Presentation session (Soil Fertility and Microbiology) in All India Post Graduate Students Research Convention in Soil Science.
- ➤ Best Article award for article no. 22450 entitled "Nano fertilizer and its balanced application for plant nutrition "which got published in Volume-01- Issue-12 in Agriculture & Food: e-Newsletter.
- Awardee as **IInd** position in Poster Presentation session in the National Webinar on "Agrochemical for upkeeping environment" (Society for fertilizers and Environment).
- ➤ "Young Scientist Award" announced by Research Education Solutions (RES; registered as Micro Enterprise with MSME, Govt. of India)" in association with "Society for Ecological Sustainability (SES), Bhawanipatna, Odisha, India" and "M.S. Swaminathan School of Agriculture (MSSSoA), CUTM Odisha, India" at International Conference on Green Technology, Agriculture, Information Technology, Business Management and Social Sciences (ICGAIBS-2022).

EXTRACURRICULAR ACTIVITIES

- 1. Participate in Cricket Tournament at University Level (B.Sc.): University Premier League (UPL), University inter-year cricket.
- 2. Participate in Cricket at University Level (M.Sc.): Inter-collegiate Cricket Tournament, Inter-college sports (Volleyball- Winner Team).
- 3. Participate in East Zone Cricket Tournament (PhD): Inter-university Cricket Tournament

SCHOLARSHIP ENJOY-

- **Merit cum mean scholarship** from Bikash Bhavan, Salt Lake City, Kolkata, Govt. of West Bengal–class (IX TO XII) (2008-2012).
- University merit scholarship, Govt. of West Bengal –B.Sc. (Ag) (2011-15).

- National Talent Scholarship (NTS)- Indian Council of Agricultural Research- Junior Research Fellow-M.Sc. (Soil Science in Agricultural chemistry) (2015-2017).
- University Research Scholarship, Govt. of West Bengal-Pursuing Doctoral Programme (2017-2020).

PROFESSIONAL QUALIFICATION:

➤ Qualified ICAR, ASRB National Eligibility Test (NET) in Soil Science and Agricultural Chemistry in 2017 (54%) as well as 2018 (2018-I- 50%) & 2019 – (2018-II- 66.67%).

TECHNICAL KNOWLEDGE

➤ Obtained degree in Advanced Diploma in Computer Application (ADCA) from National Computer Saksharta Mission (NCSM) an organization of DIT, Govt. of India.

PROFESIONAL EXPERIENCE

- Associate Co-ordinator (2021& 22) of Rural Awareness Work Experience (RAWE) programme under DGKVK, RKMA, Sargachi. (Students:-SEACOMS SKILL University, Birbhum and THE NEOTIA University, South 24-Parganas)
- ➤ Join as invited Expert (Two times) of "KRISHI DARSHAN" Programme at Doordarshan Kendra Kolkata, Govt. of India.
- Attain One week (22-27 August 2022) Training programme on Indigenous Technologies, Innovations and Extension Strategies for Sustainable Agriculture and Farmers' Development under "Society for Ecological Sustainability (SES) and Centurian University Technology and Management, Odisha, India".
- ➤ Rural Agricultural Work Experience (RAWE) 6 months (In Under Graduate Programme, 2015)
- Ramakrishna Mission Ashrama 7 days' work Experience for soil Tests in Murshidabad district.
- ➤ Member organising committee of Sixth Annual Convention of the Society for Fertilizers and Environment and National Seminar On "Use of Agro-chemicals for a Sustainable Agriculture and Environment" and Annual General Meeting at FACC (Lake Hall), BCKV, Kalyani on March 27, 2019.
- ➤ An active member of Mess Committee of Rishi Aurobinda Abas (2018-19), Research Complex, Kalyani (PhD Research Hostel).
- Working together with too many M.Sc. students and summer fellows in their project.
- ➤ Visited and worked with different reputed Agricultural universities throughout India for Research purposes, and also participated too many International /National Seminars.

Sl. No.	Seminars/ Symposiums/Workshops/Training Date and dura	tion	
	International Conference		
1.	International conference on "Agriculture and Allied Sciences: The Productivity, Food security and Ecology" organised by BCKV. (Oral)	August 13-14, 2018	

Sustainable Agriculture" Organised by Assam Agricultural University, Jorhat, India & Prof. H.S. Srivastava Foundation for Science, Lucknow, Uttar Pradesh, India. (Poster) 3. International conference on "6th India Biodiversity Meet 2019" organised by Agricultural Ecological Research Unit, Indian Statistical Institute, Kolkata (700108). (Oral) 4. Global Conference on "Emerging Agricultural Research to Endure the Predicament of COVID-19 Pandemic' organized by Agricultural Economics and Social Science Research Association (AESSRA) New Delhi, India (Reg. No.: IN-DL34373942938096R-2019) in collaboration with IQAC, Triveni Devi Bhalotia College, Kazi Nazrul University, Paschim Bardhhaman, West Bengal, India. (Oral) National Conference 1. National Conference On "Innovative Farming for Food and Livelihood Security in Changing Climate". (Oral) 2. Ips East Zone Meet Cum National Symposium On "Challenges and Perspective in Plant Health Management Under Climate Change Scenario". (Poster) 3. National seminar on "Soil Health Management" organised by Bihar Agricultural University. (Poster) 4. National seminar on "Agrichemicals for a benign environment" organised by Society for Fertilizers and Environment in collaboration with BCKV. (Poster) 5. 82 nd Annual Convention and National Seminar on "Developments in Soil Science-2017" organised by ISSS, Kolkata chapter. (Poster) 6. National seminar on "Nutrients and pollutants in soil-plant-animal-human continuum for sustaining soil, food and nutritional security-way forward" organised by BCKV Environment in collaboration with NAAS. (Poster) 7. All India Post Graduate Students Research Convention in Soil Science organised by Bihar Agricultural University Sabour, Bhagalpur. (Oral) 8. National seminar on "Use of agrochemicals for sustainable agriculture and environment" organised by Society for Fertilizers and Environment in collaboration with BCKV. (Poster) 9. National Conference on Bringing Self Sufficiency in Pulses for Eastern India. (BAU, Sabour, Bihar) (Participation)	_		
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	10.	National seminar on "8 th Annual Convention including the AGM and a Webinar on "Stewardship to Agrochemicals for Upkeeping	•

	Environment" organised by Society for Fertilizers and Environment	
	in collaboration with BCKV. (Poster)	
	Local Conference	
1.	World soil day -2017 was organised by NAAS, Kolkata chapter in	December 5,
	collaboration with BCKV, Zila Parishad, Purba Bardhaman and	2017
	Memari College. (Poster)	
2.	World soil day -2018 was organised by NAAS, Kolkata chapter in	December 5,
	collaboration with BCKV and Rahora Ramakrishna Mission at	2018
	Sargachi, Ramakrishna Mission, Murshidabad. (Poster)	
3.	World soil day-2019 organised BCKV under the auspices of the	December 5,
	ICAR-WORLD BANK National Higher Educational Project	2019
	(NAHEP) with technical assistance from National Academy of	
	Agricultural Science (NAAS) on 5th December, Balindifarm,	
	BCKV, Mohanpur. (Poster)	
	Workshop	
1.	National Workshop on "Current Strategies and Emerging Issues of	March
	Soil-Water-Environmental Management in Agricultural System"	7-8,2019
	organised by AICRP On irrigation Water Management, AICRP on	
	soil crop response correlation RKVY Project on Groundwater	
	Management, BCKV, Kalyani, Nadia, West Bengal. (Participation)	
2.	Workshop on "Conservation agriculture for small and marginal	22 nd June,
	farms through appropriate farm mechanization" at FACC (Lake	2019
	Hall), BCKV, Kalyani Organized by Centre of Advanced	
	Agricultural Science and Technology (CAAST) on Conservation	
	Agriculture with technical assistance from the National Academy of	
	Agricultural Sciences). (Participation)	
3.	Workshop on "The Sociology of Conservation Agriculture: Issues	
	and Strategies" at FACC (Lake Hall), BCKV, Kalyani Organized by	29^{th}
	Centre of Advanced Agricultural Science and Technology (CAAST)	September,
	on Conservation Agriculture. (Participation)	2019
4.	One Day National Workshop "Carbon management in soils through	
	resource conservation technologies (RCT): issues and strategies" at	2 nd
	FACC (Lake Hall), BCKV, Kalyani Organized by Centre of	November,
	Advanced Agricultural Science and Technology (CAAST) on	2019
	Conservation Agriculture in collaboration with NAAS.	
	(Participation)	
	International Webniar	
1.	International Webinar on "Soil Spectroscopy: An Emerging Technique for Rapid Soil Health Assessment "Jointly organized by ICAR -Indian Institute of Soil Science, Bhopal & World Agroforestry (ICRAF), Nairobi	1 st October, 2020

2.	International Webinar on "Climate Change and Soil Health" Jointly organized by Faculty of Agriculture, Sri Sri University, Cuttack, Odisha-754006.	18 th January, 2022
	National Webinar	
1.	National Webinar" entitled "Application of Geospatial Technologies for Soil & Crop Studies" organized by Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar, West Bengal, India and sponsored by NAHEP-IG, ICAR.	24 th November, 2020
	Publication	
1.	Adhikary, S., Mandal, N., Rakshit, R., Das, A., Kumar, V., Kumari F. (2020). Field evaluation of Zincated nanoclay polymer composition on DTPA-extractable Zn, sequential Zn fractions and appare under rice rhizosphere. Soil and Tillage Research, 201, 10.1016/j.still.2020.104607. (NAAS -11.37)	site (ZNCPC): nt Zn recovery
2.	Adhikary, S., Mandal, N., Rakshit, R., Das, A., Kumari, N., & Kun	
	Nano zinc carriers influence zinc and iron release kinetics in a laborar experiment under Inceptisol and Alfisol. Journal of Plant Nu doi:10.1080/01904167.2020.1766068. (NAAS -7.71)	-
3.	Manuscript ID: sustainability-421800 Type of manuscript: Article Title: Nanoparticle Induced Changes in Resistance and Resilience of Microbial Indicators towards Heat Stress in Soil Authors: A. Kumar, R. Rakshit, A. Bhowmik, N. Mandal, A.D. Adhikary. Received: 20 December 2018, Accepted-Invoice date: 41 (NAAS-9.25)	as *, Samrat
4.	P. Basak, D. Sarkar, B. Mandal, S. Mal, Samrat Adhikary , R. Kun Deb & F. H. Rahman (2022) Determination of Critical Concentration Soils and Plants of Cauliflower (Brassica oleracea var. botrytis Polynomial Equation, Communications in Soil Science and Plant A. 10.1080/00103624.2022.2071444. (NAAS-7.33)	ons of Boron in s L.) Using a
5.	D. Roy, S. Sau, Samrat Adhikary , A. Biswas, S. Biswas, G. Chakra Sarkar: Resistance risk assessment in diamondback moth, Plutella xy fluxametamide, Crop Protection, Volume 163, 2023, 106101, ISSN https://doi.org/10.1016/j.cropro.2022.106101.(NAAS-9.05)	•
6.	D. Ghosh, S. Murmu, Samrat Adhikary , A. K. Mukherjee, S. Mal A. Pawar, A.L. Pharande, N.B. Morec and B. Mandal: Sulphur flo system with long-term agricultural practices on a Vertisol European Science DOI: 10.1111/ejss.13318, 2022.(NAAS-10.95)	w in soil-plant

International Journal of Chemical Studies 2019; 7(6): 1557-1563 7. Extractability of different extractants and availability of sulphur in long-term ricegrowing alluvial soils of West Bengal Authors; S. Das, A. Ghosh Bag, D. Ghosh, N. Chatterjee, Samrat Adhikary, G. Sahu and G. C. Hazra P-ISSN: 2349-8528 E-ISSN: 2321-4902IJCS 2019; 7(6): 1557-1563 © 2019 IJCS.(NAAS-5.31 up to 2020) Extractable Fractions of Sulphur in Major Soils of India 8. R. Kundu*, Samrat Adhikary, D. Padhan, A. Das and J. Dutta: Chemical Science Review and Letters ISSN 2278-6783 DOI:10.37273/chesci.CS2051017 Chem. Sci Rev Lett 2020, 9 (33), 138-145 Article cs2051017 138. (NAAS-5.21 upto 2020) 9. Effect of Sulphur and zinc with combination of FYM on yield and uptake of nutrients in Mustard (Brassica Juncea (L.) under Alfisols of Odisha B. K. Nayak, Samrat Adhikary, M. P. and A. K. Pal Journal of Pharmacognosy and Phytochemistry 2020; 9(2): 2310-2313. (NAAS-5.21 up to 2020) **Book Chapters** Mandal N., Adhikary S., Rakshit R. (2020) Nanobiosensors: Recent Developments 1. in Soil Health Assessment. Book Name: - Soil Analysis: Recent Trends and Applications.: Rakshit A., Ghosh S., Chakraborty S., Philip V., Datta A. (eds) Springer, Singapore DOI – https://doi.org/10.1007/978-981-15-2039-6 15. Print Online ISBN 978-981-15-2039-6. eBook Packages Biomedical and Life Sciences 2. Book Name: -Advances in ICT in Agriculture, Dr C.K. Panda, Dr A.K. Paswan, Dr S. R. Singh (New Delhi Publishers, New Delhi: 2018.59-76. ISBN: 978-93-86453-34-1(Contributing Chapter Name- Role of ICT In Soil Health Management-Batabyal, K. And Adhikary, S.) Current Research in Soil Fertility (Volume – 1)" under Soil Microbiology Section-3. reg. Chapter Name: - Potassium Solubilisation in Soils: Mechanism, effect on plant growth and future prospects "D. Padhan, A. Sen*, Samrat Adhikary, R. Kundu and V.K. Yadav. E-Book ISBN: 978-93-5335-787-0. (AkiNik Publication) Book DOI: https://doi.org/10.22271/ed.book.437 CHAPTER: Biofertilizers in agriculture: recent advances, potentials and uses Book Titled "Applications and constrains of plant beneficial microorganisms in agriculture" has been accepted for publication in the book "Rhizosphere and Soil Microbes – Utilization in Agriculture and Industry Under Current Scenario." AUTHORS: S. Debnath, D. Rawat, A. K. Mukherjee, Samrat Adhikary and R. Kundu. Publishers-Intech Open, The Shard, 32 London Bridge Street, London SE1 9SG, United Kingdom DOI: http://dx.doi.org/10.5772/intechopen.89190 5. "Site-Specific Nutrient Management (SSNM): Concept, Method and Application in Rice for Yield Sustainability "Latest Trends in Agriculture Sciences (Volume -1) S. Debnath, S. Mal, D. Ghosh, Samrat Adhikary and R. Kundu

	Publishers: -Varsha Gupta Integrated (Publications		
	www.integratedpublications.in, DOI: 10.22271/int.book.17		
6.	Address: H-34/3, Sector - 3, Rohini, Delhi - 110085, India) Book Name: - Soil Management for Sustainable Agriculture (New Research and		
0.	Strategies)		
	Chapter Name: "Escalating Nutrient Use Efficiency through Nanotechnological		
	Intercessions"		
	Authors: - A.N. Dubey, Samrat Adhikary, N. Mandal and N. Chattopadhyay		
	Publishers: - Apple Academic Press (CRC Press Taylor & Francis Group)		
	ISBN No: 978-1-77463-023-5.		
7.	Book Name: -Soil Bioremediation an approach towards sustainable technology		
	Book Chapter Name: -Bioremediation of Heavy Metals and Other Toxic		
	Substances by Microorganisms		
	Authors: - D. Pradhan, P. P. Rout, R. Kundu, Samrat Adhikary , P. P. Padhi DOI: 10.1002/9781119547976.ch12		
	Publishers: -2 John Wiley & Sons Ltd, 2021		
8.	Book Name: - Insights of Agricultural Sciences (ISBN: 978-93-91768-36-2),		
0.	Chapter Name: "Functions of micronutrients in the soil-plant system and their		
	management towards sustainable agriculture"		
	Authors:-Samrat Adhikary, P. Das, B. Paramanik, and D. Roy		
	Publishers:- Bhumi Publishing, Nigave Khalasa, Kolhapur 416207,		
	Maharashtra, India Website: www.bhumipublishing.com		
	E-mail: bhumipublishing@gmail.com		
	Book Published		
1.	Comprehensive Soil Science for JRF, SRF, M.Sc. and PhD entrance exams of		
	various SAUs, NET, & ARS examinations		
	Authors: - Subham Mukherjee, Arnab Kundu, Ritesh Kundu, Samrat Adhikary,		
	Prasanta Kumar Bandyopadhyay (2021)		
	Publishers: - JAIN BROTHERS (New Delhi)		
	Popular Article		
1.	Kundu, R., Das, A., Padhan and Adhikary , S. (2017) Global warming: contribution		
	from agriculture and mitigation strategies, Biomolecule Reports ; ISSN :2456-8759		
	Conference paper		
1.	Title of the Abstract: Nanoclay Polymer Composites based novel Zn formulations		
	for increasing Zn use Efficiency, Mandal, N., Adhikary, S., Datta, S.C. (Polymer		
	World Congress-Published online by the VBRI Press, IAAM, Stockholm,		
	Sweden,3-6 sept,2018		

2. National Conference on Climate Change and Agricultural Production: Adapting Crops to Climate Variability and Uncertainty, 6th–8th April 2017
[194] Effects of Land Use on Soil Properties of Banka District, Bihar (2017)
Amarjeet Kumar*, Yanendra Kumar Singh, Rajeev Padbhushan, Anshuman Kohli, Akhilesh Sah, Mainak Ghosh, Bipin Bihari and Samrat Adhikary.

Review article

- 1. Samrat Adhikary, B. Bihari, R. Kundu, J. Dutta and A. K. Mukherjee. 2019. Essentiality with Factor Influencing Accessibility of Zinc in Crops and Human. *International Journal of Current Microbiology and Applied Sciences ISSN: 2319-7706* Volume 8 Number 11 (2019). 8(11): 2158-2170. DOI: https://doi.org/10.20546/ijcmas.2019.811.250. (NAAS-5.38 up to 2020)
- 2. **Adhikary S.**, Kundu R., et al. (2018) Handling crop residue for nutrient cycling raising soil fertility as well as crop productivity, International Conference on Agriculture and Allied Sciences: The productivity, Food security and Ecology, ISBN- 978-93-85822-71-1.

Popular Magazine

1. Nano-fertilizers and its balanced application for plant Nutrition - Samrat Adhikary: Article id: 22450, Volume 1– Issue 12 – December 2019 - 198 - AGRICULTURE & FOOD: e- Newsletter www.agrifoodmagazine.co.in e- ISSN: 2581 – 8317.

Training Programme

1. **One Week Virtual Training** Program on Indigenous Technologies, Innovations and Extension Strategies for Sustainable Agriculture and Farmers' Development 22-27 August 2022 organized by Society for Ecological Sustainability and Centurion University of Technology and Management (CUTM), Bhubaneswar.

ACHIEVEMENT

- ❖ Gold Plated Medal was taken from the President of the Indian Society of Soil Science for best M.Sc. dissertation work in 2017(East Zone).
- **❖** Reviewer of the reputed journal "Current Agriculture Research Journal". [NAAS Rating -4.36 (till date-2022), ISSN: 2347-4688, Online ISSN: 2321-9971]
- * Reviewer/Editor of popular Magazine Agriculture & Food: *e-newsletter* www.agrifoodmagazine.co.in ISSN: 2581-8317.
- **❖** Selected as a Reviewer of Peer Review Journal of Plant Nutrition [NAAS-7.71] (Taylor & Francis Group, 530 Walnut Street, Suite 850.)

MEMBER

- ➤ Student member of Indian Society of Soil Science (2018---) [Membership No. M/A/394]
 - ➤ Lifetime member of Society of Fertilizer Environment (SFE-2017...)
 - Member (2019) of All India Agricultural Students Association (AIASA), New Delhi.

AREA OF INTEREST

- Work with a farmer at a basic level.
- Find the actual problems of the farmer community and try to solve them accordingly.
- Utilization of ideas and skills in the Agricultural sector.
- Research and teaching.
- Rural upliftment.
- Volunteering, community service or charity work.

STRENGTH

- Cool mind with a good sense of humour.
- Good communication skills.

• Positive attitude with helping & cooperative nature.

JOB EXPERIENCE

Programme Assistant (Lab Technician) in the 'Dhaanyaganga Krishi Vigyan Kendra (KVK), recently sanctioned under the supervision of Ramakrishna Mission Vivekananda and Educational Research Institute by the Indian Council of Agricultural Research (ICAR) to be located at Ramakrishna Mission Ashrama, Sargachi, Murshidabad as an 'Out-reach Centre' under the School of Agriculture and Rural Development of the University.

Joining Date: - 25/08/2020 till.

PERSONAL DETAILS

- Father's name: Panchu Gopal Adhikary
- *Date of birth:*20/04/1993
- Marital status: Single
- *Nationality:* Indian
- *Hobby:* Play, listening motivational video, Drawing, Tourism.
- Language known: English, Hindi, Bengali
- Corresponding address:

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 P.O.- Sargachi Ashrama
 Dist. Murshidabad

D: 742404

Pin-742404

REFERENCE

Dr. Sujan Biswas

Senior Scientist and Head

Dhaanyaganga Krishi Vigyan Kendra (ICAR-Additional)

Ramakrishna Mission Ashrama, Sargachi, Murshidabad

Mob: - 8900437790, Email id: - drsujanbws@gmail.com

Prof. (Dr.) Biswapati Mandal (FNAAS, FWAST, FISSS)

Former Pro-Vice-Chancellor & Director of Research

Ex. Professor and Ex. Head of the Dept. in Agricultural Chemistry and Soil Science

Bidhan Chandra Krishi Viswavidyalaya, Nadia

Mob. No-9433533598 ,Email id: - mandalbiswapati@rediffmail.com

Dr. Kaushik Batabyal

Assistant Professor in Dept. of Agricultural Chemistry and Soil Science

Bidhan Chandra Krishi Viswavidyalaya, Nadia

Mob. No-8348609944 ,Email id.: - kbatabyal@rediffmail.com

Dr. Nintu Mandal

Asst. Prof. cum Jr. Scientist

Bihar Agricultural University, Bhagalpur

Mob No.-993935015, Email id: -nintumandal@gmail.com

Dr. Anupam Das

Asst. Prof. cum Jr. Scientist

Bihar Agricultural University, Bhagalpur

Mob No.-8677824066, Email id: - anusoil22@gmail.com

DECLARATION

I hereby solemnly affirm that all the details furnished above are true to the best of my knowledge. In case of any error or omission, I shall be liable for its consequences.

Date: 17.11.2022

Signature

Samraf Adrikary

Place: Ramakrishna Mission Ashrama, Sargachi, Murshidabad