

CURRICULUM VITAE

YOGENDRA ARYA

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Associate Professor

Department of Electrical Engineering,
J.C. Bose University of Science and Technology, YMCA,
Faridabad, Haryana, India-121006 (Since 06-04-2021)
[A Haryana State Government University]

Past Academic Employments:

1. Assistant Professor
Department of Electrical & Electronics Engineering, Maharaja Surajmal Institute of Technology, Janakpuri, New Delhi, India-110058 (07-01-2011 to 05-04-2021)
2. Lecturer
Department of Electrical & Electronics Engineering, HMR Institute of Technology and Management, Hamidpur, New Delhi, India-110036 (15-07-2010 to 31-12-2010)

Educational Qualifications:

1. **Ph.D.** (2018) in Electrical Engineering (Power Systems), Delhi Technological University (DTU), Delhi, India-110042
Topic: Some studies on automatic generation control of multi-area interconnected restructured power systems
2. **M.Tech.** (2010) in Electrical Engineering (I&C), Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonapat, Haryana, India-131039
Topic: Four-area load frequency control
3. **A.M.I.E.** (2008) in Electrical Engineering, The Institution of Engineers (India), Kolkata, West Bengal, India-700020
4. **Polytechnic Diploma** (1997) in Electrical Engineering, Maharaja Surajmal Institute of Pharmacy & Technology, Janakpuri, New Delhi, India-110058

Associate Editor of Journals:

1. *Journal of Electrical Engineering & Technology* (SCIE, Springer, IF: 1.6)
2. *Engineering Applications of Artificial Intelligence* (SCIE, Elsevier, IF: 8.0)

Previous

1. **Plos One** (SCIE, IF: 2.6), **Academic Editor** w.e.f. **14-01-2021** to **18-03-2024** (03 years & 02 months).
2. **Frontiers in Energy Research** (SCIE, IF: 2.4), **Associate Editor** w.e.f. **22-06-2022** to **6-09-2024** (02 years & 02 months).

Guest Editor of Journals: (06)

1. **Sustainable Computing: Informatics and Systems** (SCIE, Elsevier, IF: 5.7). SI Title: AI/ML-driven resilient and sustainable power grids: enhancing cybersecurity, renewable

- integration, and intelligent management. **Status:** **Running.** Link: <https://www.sciencedirect.com/special-issue/321545/aiml-driven-resilient-and-sustainable-power-grids-enhancing-cybersecurity-renewable-integration-and-intelligent-management>
2. **Neural Computing and Applications** (Scopus, Springer, CiteScore: 11.7). SI Title: AI techniques for optimal control and operation of modern power systems. **Status:** Published. Vol. 37, no. 22, Aug. 2025. Link: <https://link.springer.com/journal/521/volumes-and-issues/37-22>
 3. **Chaos, Solitons & Fractals** (SCIE, Elsevier, IF: 5.6). SI Title: Resilient/AI-based Control for Cyber-Physical Systems. **Status:** Published. Link: <https://www.sciencedirect.com/special-issue/10QZW2Z3QP6>
 4. **Sustainable Energy Technologies and Assessments** (SCIE, Elsevier, IF: 7.0). SI Title: Utilization of energy storage systems for reliable operation of modern power systems. **Status:** Published. Link: <https://www.sciencedirect.com/journal/sustainable-energy-technologies-and-assessments/special-issue/10ZST3ZVFQQ>
 5. **International Journal of Numerical Modelling** (SCIE, Wiley, IF: 1.7). SI Title: AI/Data-based Modeling, Control and Operation of Smart Grid Power Systems. **Status:** Published as: vol. 36, no. 5, Sept./Oct. 2023. Link: <https://onlinelibrary.wiley.com/toc/10991204/2023/36/5>
 6. **Energies** (SCIE, MDPI, IF: 3.2). SI Title: Challenges and Research Trends of Renewable Energy Power System. **Status:** Published. Link: https://www.mdpi.com/journal/energies/special_issues/Renewable_Power_System

Awards: (19)

1. Placed in the list of “**Top 2% of Researchers in the World**” (Single Year) published by Stanford University, USA/Elsevier for the years **2020 to 2025**. DOI: <https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/8>
2. Placed in the list of “**Top 2% of Researchers in the World**” (Career Long) published by Stanford University, USA/Elsevier for the years **2021 to 2025**.
3. Awarded **Springer Nature Editorial Contribution Award 2025** by Springer Nature, for contributing as an Associate Editor of Journal of Electrical Engineering & Technology on May 29, 2025.
4. Placed in “**Highly Ranked Scholars™** - Lifetime & Prior Five Years” with ScholarGPS™ Ranks of 0.05% or better for 2025 on Oct. 09, 2025.
5. Placed in the List of **Best Scientists in the field of Electronics and Electrical Engineering** by **Research.com** (2025 Edition) on Apr. 09, 2025. Rank in India 50 and Rank in World 4442. Link: <https://research.com/scientists-rankings/electronics-and-electrical-engineering/in>
6. Awarded **IOP Trusted Reviewer** Certificate by IOP Publishing, 06 Jan. 2025.
7. Placed in “**Highly Ranked Scholars™** - Lifetime & Prior Five Years” with ScholarGPS™ Ranks of 0.05% or better for 2024.
8. Awarded **Best Associate Editor Award** for **2021, 2022, 2023, & 2024** by Journal of Electrical Engineering & Technology (SCIE Journal published by Springer with IF: 1.6).
9. Placed in “**Top 2% of Researchers in the World**” (Both Lifelong & Single year lists). List published by Stanford University, USA/Elsevier in Sept./Oct. of **2020 to 2024**. DOI: <https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/7>

10. Awarded **Certificate of Excellence in Reviewing** by Current Journal of Applied Science and Technology (Google Scholar), Jun. 2024.
11. Awarded with **Best Paper Award** for the paper presented in “Springer Nature’s 3rd International Conference on Renewable Power (ICRP-2024)” organized by Maharaja Agrasen Institute of Technology (MAIT), Delhi, India on Mar. 28-29, 2024.
12. Placed in “**Highly Ranked Scholars™** - Prior Five Years” with ScholarGPS™ Ranks of 0.05% or better for 2022 released on Oct. 04, 2023. Overall (All Fields) Rank: #5,858, Rank in Electric power system #12 & Rank in Electric power #35. Link: <https://scholargps.com/scholars/29903794005513/yogendra-arya>
13. Awarded **Certificate of Excellence in Reviewing** by Chaos, Solitons & Fractals (SCIE, Elsevier, IF: 5.6), Apr. 2023.
14. Awarded with **Top Cited Article 2021-2022** on 21-02-2023 for publication in *IET Renewable Power Generation*, vol. 15, no. 3, pp. 504–520, Feb. 2021. DOI: <https://doi.org/10.1049/rpg2.12061>. IF: 2.9.
15. Awarded **Excellent Reviewer Certificate-2021** by Indian Journal of Science and Technology (Scopus Indexed), 05 Jan. 2022.
16. Awarded **Best Researcher Award in Electrical Engineering-2021** by 2nd Universal Innovators Leadership Awards (UILA 2021) on 20 Feb., 2021. 2nd UI Leadership awards event was organized along with 4th International Conference on Innovative Computing and Communication (ICICC 2021) organized jointly by Shaheed Sukhdev College of Business Studies (University of Delhi), National Institute of Technology Patna and Universal Inovators at Shaheed Sukhdev College of Business Studies, New Delhi, India on 20-21st February, 2021. Link: <http://icicc-conf.com/awards>.
17. Awarded **Outstanding Reviewer Certificate** by International Transactions on Electrical Energy Systems (SCIE Journal published by Wiley), 14 Jan. 2021.
18. Awarded **MSIT Certificate of Excellence in Research-2018 & 2019**.
19. Awarded “**MSIT Best Faculty Award-2018**” on 12-01-2019.

Books: (07)

1. *Frequency Regulation in Microgrids*. Editors: Y. Arya, S. Dhundhara and H. Hasanien, ISBN: 978-044-33-6476-1, Publisher: Elsevier, Status: **In Production**
2. *Advances in Energy Power and Automation Engineering- Select Proceedings of the International Conference, ICEPAE 2024*. Editors: S. Yadav, Y. Arya, S. Rab, D. Wang, Lecture Notes in Electrical Engineering (LNEE, volume 1448), Hardcover ISBN: 978-981-96-9008-4, Softcover ISBN: 978-981-96-9011-4, eBook ISBN: 978-981-96-9009-1, Publisher: **Springer** Singapore, Nov. 2025. DOI: <https://doi.org/10.1007/978-981-96-9009-1>. Link: <https://link.springer.com/book/9789819690084>
3. *Proceedings of 3rd International Conference on Artificial Intelligence, Robotics, and Communication ICAIRC 2023*. Editors: S. Yadav, Y. Arya, S. M. Pandey, N. Gherabi, D. A. Karras, Lecture Notes in Electrical Engineering (LNEE, volume 1172), Hardcover ISBN: 978-981-97-2199-3, eBook ISBN: 978-981-97-2200-6, Publisher: **Springer** Singapore, DOI: <https://doi.org/10.1007/978-981-97-2200-6>, Jun. 2024.
4. *Energy Power and Automation Engineering - Select Proceedings of the International Conference, ICEPAE 2023*. Editors: S. Yadav, Y. Arya, N. A. Muhamad, K. Sebaa, Lecture Notes in Electrical Engineering (LNEE, volume 1118), Hardcover ISBN: 978-981-99-

8877-8, eBook ISBN: 978-981-99-8878-5, Publisher: **Springer** Singapore, DOI: <https://doi.org/10.1007/978-981-99-8878-5>, Mar. 2024.

5. **Advanced Frequency Regulation Strategies in Renewable-Dominated Power Systems.** *Editors: S. Dhundhara Y. Arya, R. C. Bansal*, ISBN 978-0-323-95054-1, Publisher: Elsevier, Academic Press, DOI: <https://doi.org/10.1016/C2021-0-02707-3>, Sept. 2023.
6. **Challenges and Research Trends of Renewable Energy Power System.** *Editor: Y. Arya*, Hardcover ISBN 978-3-0365-7528-5, eBook ISBN: 978-3-0365-7529-2, Publisher: MDPI, DOI: <https://doi.org/10.3390/books978-3-0365-7529-2>, Jun. 2023.
7. **Recent Advances in Metrology-Select Proceedings of AdMet 2021.** *Editors: S. Yadav, K. P. Chaudhary, A. Gahlot, Y. Arya, A. Dahiya, N. Garg*, Lecture Notes in Electrical Engineering (LNEE, volume 906), Hardcover ISBN: 978-981-19-2467-5, eBook ISBN: 978-981-19-2468-2, Publisher: **Springer** Singapore, DOI: <https://doi.org/10.1007/978-981-19-2468-2>, Jul. 2022.

Memberships of Professional Bodies:

S.No.	Membership Type	Professional Body
1.	Fellow Member	IETE
2.	Senior Member	Institute of Electrical & Electronics Engineers (IEEE)
3.	Professional Member	IEEE Smart Cities Community
4.	Life Member	Indian Society for Technical Education (ISTE)
5.	Associate Member	The Institution of Engineers (India)
6.	Professional Member	Automatic Control & Dynamic Optimization Society
7.	Member	IEEE Power & Energy Society
8.	Ambassador	IEEE Smart Cities

Reviewer of Journals Published by

- | | |
|----------------------------------|--|
| 1. IEEE Transaction & Journals | 13. Bentham Science |
| 2. IET/Wiley | 14. Institute of Advanced Engineering and Science |
| 3. Elsevier | 15. Sciendo |
| 4. Taylor & Francis | 16. Plos One |
| 5. Springer | 17. International Association for Energy Economics |
| 6. Sage | 18. Inderscience |
| 7. Emerald | 19. Istanbul University (Electrica journal) |
| 8. IOS Press | 20. AIMS Press |
| 9. MDPI | 21. Frontiers |
| 10. Engineered Science Publisher | 22. Annual Reviews |
| 11. Oxford University Press | 23. Innovation Press |
| 12. Cell Press | 24. Tech Science Press |

Citations, h-index & i10-index:

	Total Citations	h-index	i10-index	Link
Google Scholar	5165	42	65	VpiXgOQAAAAJ
Scopus	4450	42	61	55205122800
Web of Science (WoS)	3570	41	56	I-8805-2019

Publication Details:

	No. of Papers	Q1	Q2	Q3	Q4	Total IF
SCIE Papers – Sole author	11	10	01	–	–	64.2
SCIE Papers – First author	12	06	02	03	01	52.4
SCIE Papers – Corresponding	33	10	11	08	04	126.6
SCIE Papers – Co-author	22	07	09	06	–	94.9
Total	78	33	23	17	05	338.1
ESCI indexed papers	04	Scopus indexed papers				07
WoS verified peer reviews	1000+	ResearchGate’s research interest score				3100+
ORCID verified peer reviews	1000+	ResearchGate’s h-index				42

Publications list:

SCIE (78) [Total IF: 338.1]

2026

1. S. N. Sahu, R. K. Khadanga, D. Das, **Y. Arya**, S. Panda, S. Padhy, and P. R. Sahu, “LFC of distributed power generation system under different cyberattacks utilizing a new mZOA-based hFPD-PI+FP control strategy,” *Sustainable Computing: Informatics and Systems*, **Online Published**, Dec. 2025. DOI: <https://doi.org/10.1016/j.suscom.2025.101282>. IF: 5.7, Q1. ISSN; eISSN: 2210-5379; 2210-5387.
2. P. Odelu, C. K. Shiva, S. Sen, B. Vedik and **Y. Arya**, “Hybrid optimization for robust frequency regulation in shipboard microgrids with renewable sources, energy storage, and controllable loads,” *Optimal Control Applications and Methods*, **In Production**. Nov. 2025. DOI: <https://doi.org/10.1002/oca.70061>. IF: 1.5, Q2. ISSN; eISSN: 0143-2087; 1099-1514.
3. A. Ram, P. R. Sharma, R. K. Ahuja, and **Y. Arya**, “A dual fundamental current extraction controller for DSTATCOM in the distribution system for power quality improvement under non-ideal source voltage condition,” *Electric Power Components and Systems*, **Online Published**, 2025. DOI: <https://doi.org/10.1080/15325008.2023.2258871>. IF: 1.5, Q3. ISSN; eISSN: 1532-5008; 1532-5016.
4. Sagar, **Y. Arya**, P. Singhal, “Optimized building energy management system of a residential green building,” *IETE Journal of Research*, **Online Published**, Sept. 2025. DOI: <https://doi.org/10.1080/03772063.2025.2512905>. IF: 1.3, Q4. ISSN; eISSN: 0377-2063; 0974-780X.

2025

5. S. Jain, R. K. Ahuja, A. Gupta, and **Y. Arya**, “A grid interactive power control unit strategy for microgrid,” *Science and Technology for Energy Transition*, **Online Published**, vol. 80, art. 52, Dec. 2025. DOI: <https://doi.org/10.2516/stet/2025032>. IF: 1.9, Q2. eISSN: 2804-7699.
6. G. Singh, A. Saxena, M. A. Kalam, A. Ram, and **Y. Arya**, “Identification, measurement, and categorization of faults in power system network utilizing advanced fuzzy-symbolic strategy,”

Mapan-Journal of Metrology Society of India, vol. 40, no. 4, pp. 1055–1073, Dec. 2025. DOI: <https://doi.org/10.1007/s12647-025-00857-3>. IF: 1.3, Q4. ISSN; eISSN: 0970-3950; 0974-9853.

7. R. Choudhary, J. N. Rai, and **Y. Arya**, “A walrus optimization-based control strategy with ESDs for AGC performance enhancement of power systems,” *Sustainable Computing: Informatics and Systems*, vol. 48, 101235, Dec. 2025. DOI: <https://doi.org/10.1016/j.suscom.2025.101235>. IF: 5.7, Q1. ISSN; eISSN: 2210-5379; 2210-5387.
8. Y. Guan, Y. Xia, Z. Geng, Z. Wang, and **Y. Arya**, “Unified flexible prescribed performance control for actuator-constrained systems through an event-triggered mechanism,” *Chaos, Solitons and Fractals*, vol. 201, pt. 2, art. 117216, Dec. 2025, DOI: <https://doi.org/10.1016/j.chaos.2025.117216>. IF: 5.6, Q1. ISSN; eISSN: 0960-0779; 1873-2887.
9. M. Sharma, S. Dhundhara, **Y. Arya**, and S. Prakash, “Harris hawks optimization assisted fuzzy-PI^λ controller for frequency stabilization in renewable integrated power systems,” *Optimal Control Applications and Methods*, vol. 46, no. 6, pp. 2925–2941, Nov./Dec. 2025. DOI: <https://doi.org/10.1002/oca.70037>, IF: 1.5, Q2. ISSN; eISSN: 0143-2087; 1099-1514.
10. A. A. Mahmoud, K. Sayed, A. Daraz, **Y. Arya**, and M. Khamies, “PO-optimized cascaded FOIAN-PTD strategy for frequency control of wind-PV-thermal power system with energy storage systems,” *Engineering Science and Technology, an International Journal*, vol. 70, art. 102173, Oct. 2025. DOI: <https://doi.org/10.1016/j.jestch.2025.102173>. IF: 5.4, Q1. ISSN; eISSN: 2215-0986; 2215-0986.
11. S. Padhy, P. R. Sahu, R. K. Khadanga, **Y. Arya**, and S. Panda, “MSOA-optimized FOPPID controller for frequency stability of distributed power system under the influence of cyber-attacks,” *Electric Power Systems Research*, vol. 247, art. 111736, Oct. 2025. DOI: <https://doi.org/10.1016/j.epsr.2025.111736>. IF: 4.2, Q2. ISSN; eISSN: 0378-7796; 1873-2046.
12. A. Saxena, M. A. Kalam, G. Singh, and **Y. Arya**, “An accurate fault identification, measurement and protection in radial power system network using a new hybrid bell algorithm,” *Mapan-Journal of Metrology Society of India*, vol. 40, no. 3, pp. 667–682, Sept. 2025. DOI: <https://doi.org/10.1007/s12647-025-00827-9>. IF: 1.3, Q4. ISSN; eISSN: 0970-3950; 0974-9853.
13. L. Agrawal, Manisha, **Y. Arya**, N. Nagpal, R. Majumdar, and V. Gupta, “A case study on the feasibility and optimization of wind farm deployment in India,” *Energy Sources Part A-Recovery Utilization and Environmental Effects*, vol. 47, no. 2, art. 2537739, Aug. 2025. DOI: <https://doi.org/10.1080/15567036.2025.2537739>. IF: 2.2, Q3. ISSN; eISSN: 1556-7036; 1556-7230.
14. S. Jain, R. K. Ahuja, A. Gupta, and **Y. Arya**, “Hybrid intelligent h-AFSA-ANN controller for the SPV-BESS-DG-based DC microgrid integrated system,” *Electrical Engineering*, vol. 107,

- no. 7, pp. 8271–8296, Jul. 2025. DOI: <https://doi.org/10.1007/s00202-023-02130-9>. IF: 1.9, Q3. ISSN; eISSN: 0948-7921; 1432-0487.
15. Y. Gopal, K. P. Panda, P. P. Gupta, D. K. Dhaked, and **Y. Arya**, “Development and performance assessment of switched-capacitor multilevel inverters for solar PV applications,” *Sustainable Energy Technologies and Assessments*, vol. 79, art. 104360, Jul. 2025. DOI: <https://doi.org/10.1016/j.seta.2025.104360>. IF: 7.0, Q2. ISSN; eISSN: 2213-1388; 2213-1396.
 16. X. Lin, J. Li, Y. Song, **Y. Arya**, Y. Xia, “An accurate dynamic model identification method for industrial robots based on improved excitation trajectory,” *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*, vol. 38, no. 3, e70062, May/Jun. 2025. DOI: <https://doi.org/10.1002/jnm.70062>. IF: 1.7, Q2. ISSN; eISSN: 0894-3370; 1099-1204.
 17. M. Kaur, S. Dhundhara, Y. P. Verma, S. Chauhan, and **Y. Arya**, “Impact of anaerobically digested pretreated crop residue on performance and economics of solar photovoltaic-biomass microgrid system,” *Sustainable Energy Technologies and Assessments*, vol. 76, art. 104280, Apr. 2025. DOI: <https://doi.org/10.1016/j.seta.2025.104280>. IF: 7.0, Q2. ISSN; eISSN: 2213-1388; 2213-1396.
 18. S. N. Sahu, R. K. Khadanga, **Y. Arya**, and S. Panda, “Analysis of ultra-capacitor and plug-in electric vehicle for frequency regulation of a distributed power generation system utilizing novel modified gorilla troops optimizer algorithm,” *Electrical Engineering*, vol. 107, no. 3, pp. 2521–2534, Mar. 2025. DOI: <https://doi.org/10.1007/s00202-024-02653-9>. IF: 1.9, Q3. ISSN; eISSN: 0948-7921; 1432-0487.
 19. R. Ahmad, **Y. Arya**, M. F. Ahmer, and I. Nasiruddin, “Enhanced frequency/voltage control in multi-source power system using CES and SSA-optimized cascade TID-FOPTID controller,” *IETE Journal of Research*, vol. 71, no. 2, pp. 652–667, Feb. 2025. DOI: <https://doi.org/10.1080/03772063.2024.2418034>. IF: 1.3, Q4. ISSN; eISSN: 0377-2063; 0974-780X.
 20. Sagar, **Y. Arya**, P. Singhal, “Energy efficient green building design utilising renewable energy and low-carbon development technologies,” *Science and Technology for Energy Transition*, vol. 80, art. 25, Feb. 2025. DOI: <https://doi.org/10.2516/stet/2025004>. IF: 1.9, Q2. eISSN: 2804-7699.
 21. Y. Gopal, A. Kumari, K. P. Panda, D. K. Dhaked, and **Y. Arya**, “Implementation and analysis of switched-capacitor multilevel inverters in solar photovoltaic system,” *Sustainable Energy Technologies and Assessments*, vol. 75, art. 104227, Mar. 2025. DOI: <https://doi.org/10.1016/j.seta.2025.104227>. IF: 7.0, Q2. ISSN; eISSN: 2213-1388; 2213-1396.
 22. Y. Xia, K. Xiao, J. Cao, R.-E. Precup, **Y. Arya**, H.-K. Lam, and L. Rutkowski, “Stochastic neural network control for stochastic nonlinear systems with quadratic local asymmetric prescribed performance,” *IEEE Transactions on Cybernetics*, vol. 55, no. 2, pp. 867–879, Feb.

2025. DOI: <https://doi.org/10.1109/TCYB.2024.3502496>. IF: 10.5, Q1. ISSN; eISSN: 2168-2267; 2168-2275.

23. V. Kumar, V. Sharma, A. V. P. Kumar, **Y. Arya**, and S. Chikkam, “A state-of-the-art review on concurrent voltage and frequency regulation problems in renewable integrated power networks,” *Energy Sources Part A-Recovery Utilization and Environmental Effects*, vol. 47, no. 1, pp. 16–49, Feb. 2025. DOI: <https://doi.org/10.1080/15567036.2025.2462799>. IF: 2.2, Q3. ISSN; eISSN: 1556-7036; 1556-7230.

2024

24. D. Khamari, R. K. Sahu, S. Panda, and **Y. Arya**, “A mMSA-FOFPID controller for AGC of multi-area power system with multi-type generations,” *Sustainable Computing: Informatics and Systems*, vol. 40, art. 101046, Dec. 2024. DOI: <https://doi.org/10.1016/j.suscom.2024.101046>. IF: 5.7, Q1. ISSN; eISSN: 2210-5379; 2210-5387.
25. **Y. Arya** and K. Singh, “A SSA-based CFFOPID drop deloaded tidal turbine controller using HVDC-link,” *ISA Transactions*, vol. 153, pp. 306–321, Oct. 2024. DOI: <https://doi.org/10.1016/j.isatra.2024.07.015>, IF: 6.5, Q1. ISSN; eISSN: 0019-0578; 1879-2022.
26. V. Kumar, V. Sharma, R. Naresh, and **Y. Arya**, “A novel predictive optimal control strategy for renewable penetrated interconnected power system,” *Optimal Control Applications and Methods*, vol. 45, no. 5, pp. 2190–2205, Sept./Oct. 2024. DOI: <https://doi.org/10.1002/oca.3144>, IF: 1.5, Q2. ISSN; eISSN: 0143-2087; 1099-1514.
27. S. Rangi, S. Jain, and **Y. Arya**, “Utilization and performance comparison of several HESS with cascade optimal-FOD controller for multi-area multi-source power system under deregulated environment,” *Journal of Energy Storage*, vol. 94, art. 112469, Jul. 2024. DOI: <https://doi.org/10.1016/j.est.2024.112469>, IF: 9.8, Q1. ISSN; eISSN: 2352-152X; 2352-1538.
28. Y.-Y. Hou, M.-H. Lin, H. Saberi-Nik, and **Y. Arya**, “Boundary analysis and energy feedback control of fractional-order extended Malkus–Robbins dynamo system,” *Chaos, Solitons and Fractals*, vol. 183, art. 114922, Jun. 2025, DOI: <https://doi.org/10.1016/j.chaos.2024.114922>. IF: 5.6, Q1. ISSN; eISSN: 0960-0779; 1873-2887.
29. S. Mahich, Y. K. Saini, V. Devra, K. Aggarwal, A. Kumar, D. Kumar, A. Singh, and **Y. Arya**, “Metal-free adsorption and photodegradation methods for methylene blue dye removal using different reduction grades of graphene oxide,” *Heliyon*, vol. 10, no. 11, e31702, May 2024. DOI: <https://doi.org/10.1016/j.heliyon.2024.e31702>, IF: 3.6, Q1. eISSN: 2405-8440.
30. **Y. Arya**, R. Ahmad, I. Nasiruddin, and M. F. Ahmer, “LFC performance advancement of two-area RES penetrated multi-source power system utilizing CES and a new CFOTID controller,” *Journal of Energy Storage*, vol. 87, art. 111366, May 2024. DOI: <https://doi.org/10.1016/j.est.2024.111366>. IF: 9.8, Q1. ISSN; eISSN: 2352-152X; 2352-1538.
31. K. Peddakapu, M. R. Mohamed, P. Srinivasarao, and **Y. Arya**, “Assessment of energy storage and renewable energy sources-based two-area microgrid system using optimized fractional

- order controllers,” *Journal of Energy Storage*, vol. 86, pt. A, 111191, May 2024. DOI: <https://doi.org/10.1016/j.est.2024.111191>. IF: 9.8, Q1. ISSN; eISSN: 2352-152X; 2352-1538.
32. B. K. Reddy, N. C. Giri, P. K. Yemula, E. B. Agyekum, and **Y. Arya**, “Optimal operation of cogeneration power plant integrated with solar photovoltaics using DLS-WMA and ANN,” *International Journal of Energy Research*, vol. 2024, art. 5562804, Apr. 2024. DOI: <https://doi.org/10.1155/2024/5562804>, IF: 4.2, Q1. ISSN; eISSN: 0363-907X; 1099-114X.
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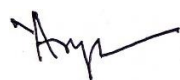
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With Regards,



(Yogendra Arya)