

*Rayat Shikshan Sanstha's*  
**Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College**  
Manchar, Tal. Ambegaon, Dist. Pune 410503

**One Day International Conference on  
Recent Advances in Energy Harvesting & Applications (RAEHA 2025)**

**Organized by  
Department of Electronic Science**

**Saturday, 1<sup>st</sup> March 2025**

**Conference Report**

<b>Title</b>	Recent Advances in Energy Harvesting & Applications (RAEHA 2025)
<b>Date</b>	1 <sup>st</sup> March 2025
<b>Venue</b>	Karmaveer Auditorium, Annasaheb Awate College, Manchar, Pune 410503
<b>Introduction</b>	<p>The Department of Electronic Science organised the one-day Hybrid International on Recent Advances in Energy Harvesting &amp; Applications (RAEHA 2025), which was held on March 1<sup>st</sup>, 2025 at Rayat Shikshan Sanstha's, Annasaheb Awate Arts, Commerce &amp; Hutatma Babu Genu Science College, Manchar, Pune. Students, academics, researchers, and industry experts gathered at the conference to examine and deliberate on the most recent developments, innovations, and prospective paths in Energy Harvesting and technology.</p> <p>The conference featured one keynote address, four plenary sessions, and 24 oral and poster presentations.</p> <p>The conference was attended by an estimated 110 students and delegates who were registered and represented various disciplines of electronic science, Physical Science, &amp; Mathematics from over 20 colleges.</p>
<b>Objectives</b>	<ol style="list-style-type: none"><li>1. To promote the exchange of innovative ideas, research findings, and best practices among professionals in the Physical and Mathematical Sciences community, fostering collaboration and knowledge sharing.</li><li>2. To encourage interdisciplinary collaboration between professionals from various fields within Physical and Mathematical Sciences, such as Sensors, Digital Technology, Mathematical Modeling, and academia, to address complex challenges and drive innovation.</li><li>3. To highlight the latest technological advancements, research breakthroughs, and innovative products and services in the Physical and Mathematical Sciences sector, providing attendees with insights into emerging trends and opportunities.</li><li>4. To encourage attendees to consider the broader societal impact of their work and explore ways to harness the power of innovation in the Physical and Mathematical Sciences industry to address global challenges, such as Healthcare access and Smart Technology like AI &amp; IoTs.</li><li>5. This interaction enables participants to stay updated on the latest advancements in their respective fields.</li></ol>



**Conference Programme**

Keynote addresses, panel discussions, oral and paper presentations comprised the conference agenda. Keynote addresses were delivered by esteemed specialists and academicians, who provided insights into current research, developments, and future potential in diverse subdisciplines of energy harvesting and technology.

**Details of Esteem expert are as follows:**

Sr. No	Name of the Resource Person	Title of the Talk
1.	<b>Dr. B B Kale</b> Emeritus Professor & Director Centre of Excellence (Material Science) MIT World Peace University, Pune	Engineering of Materials & The Functionalities
2	<b>Dr. Gopinath T</b> Faculty, MIT WPU, Pune Young Associate MASc.	Summary & Poster Preparation of Co-Creation for Problem Solving in Society
3	<b>Dr. S D Sartale</b> Professor, Department of Physics SPPU, Pune	X-Ray Diffraction
4.	<b>Dr. S B Sankpal</b> Professor, Visvesvaraya National Institute of Technology, Nagpur	Chemically synthesized multi-walled carbon nanotubes, copper vanadate electrode for supercapacitor applications
5	<b>Dr. Manisha Phadatare</b> Researcher, Mid Sweden University, Sundsvall, Sweden	Industrially Viable Techniques for Anode Fabrication in Li-Ion Batteries

The keynote address and plenary sessions facilitated comprehensive dialogues on subjects including the application of molecular techniques to safeguard orchid varieties, the utilization of sustainable technologies to enhance energy harvesting applications.

**Inaugural Function**

The session began with a floral tribute to the idols of Padmabhushan Dr. Karmaveer Bhaurao Patil and Sou. Laxmibai Bhaurao Patil. Ms. Afroj M Dange, Coordinator, RAEHA-2025, briefed on the conference and introduced the guests to the participants. This was followed by the felicitation and welcoming of the guests.

The Abstract Book Proceedings with E-ISBN 978-81-962293-7-5 have been published by the dignitaries. Dr. B B. Kale inaugurated the ceremony and delivered the keynote address. Prin. Dr. N. S. Gaikwad, Convenor RAEHA-2025, delivered the presidential speech. A vote of thanks for the inaugural session was proposed by Mrs. S C Mahakal.

**Oral & Poster Presentation**

A total of 24 academicians and researchers delivered oral presentations on their original research findings. Emerging trends in the Energy Harvesting and technology was discussed at length, including but not limited to nanotechnology, Internet of Things (IoTs) innovative concepts.





<b>Networking Opportunities</b>	The conference brunch, networking sessions, and breaks afforded attendees the chance to interact with and network with peers, colleagues, and industry experts. Collaboration discussions, the exchange of ideas, and the formation of professional connections across sectors and institutions were all facilitated by informal conversations.
<b>Valedictory Function</b>	Dr. S C Mahakal, the organizing Secretary, RAEHA-2025, extended a warm welcome and introduced the chief guest, Prof. Dr. S D Sartale, a Professor, SPPU Pune. Prof. Dr. S D Sartale gave the valedictory address. The winners of the oral/paper presentation were declared, and certificates were distributed by the dignitaries to the participants. A statement of thanks for the inaugural session was given by Dr. S T Shinde, Co-convenor of the RAEHA-2025.
<b>Conclusion</b>	RAEHA-2025, the One Day Hybrid International Conference on Recent Advances in Energy Harvesting & Applications (RAEHA 2025), effectively convened a heterogeneous assemblage comprising students, scholars, researchers, and industry experts. The occasion furnished a vibrant setting for the examination and discourse of state-of-the-art advancements and prospective trajectories in the realms of life sciences and technology. As attendees disperse to their individual pursuits, it is expected that the knowledge acquired and relationships forged throughout the conference will persistently stimulate originality and advance advancements in the discipline.
<b>Acknowledgments</b>	The conference organisers would like to express their profound gratitude to all attendees, keynote speakers, presenters, and volunteers for their invaluable assistance in ensuring the conference's success. For their support and assistance in organizing the event, we would also like to thank the Hon. Principal, Dr. N. S. Gaikwad, the Head and Convener, Dr. S. N. Bolbhat, Vice Principal (Science), and Ms. A M Dange, HoD, Electronic Science. The program was hosted by Ms. H. J. Gavit.



*[Signature]*


**Head**

**Dept. of Electronic Science**  
A. A. College, Manchar


*[Signature]*  
**Principal**

**Annasaheb Awate College,**  
Manchar, Dist. Pune

## Glimpse of International Conference RAEHA-2025



**Annasaheb Awate Arts, Commerce &  
Hutatma Babu Genu Science College, Manchur**  
Tal. Ambegaon, Dist. Pune (M. S. India) - 410 503





### One Day International Conference


on  
**"RECENT ADVANCES IN ENERGY HARVESTING & APPLICATIONS"**  
 (RAEHA-2025)  
 (Hybrid Mode)


Saturday, 1<sup>st</sup> March, 2025


Organized by Department of Electronic Science, Physics and Mathematics

  
Dr. S. C. Mahakal  
Former Head of D.E.  
Department  
M.T. Education  
M. S. India

  
Mr. A. M. Dangre  
Associate Professor  
Hutatma Babu Genu Science College  
Manchur, Ambegaon

  
Dr. S. T. Shinde  
Associate Professor  
Hutatma Babu Genu Science College  
Manchur, Ambegaon

  
Dr. Manojkumar  
Associate Professor  
Hutatma Babu Genu Science College  
Manchur, Ambegaon

  
Hon. Prin. Dr. N. S. Gaikwad  
Principal  
Hutatma Babu Genu Science College  
Manchur, Ambegaon

Dr. S. C. Mahakal  
Organizing Secretary

Mr. A. M. Dangre  
Coordinator

Dr. S. T. Shinde  
Co-Coordinator

Hon. Prin. Dr. N. S. Gaikwad  
Convener, RAEHA-2025











## Schedule of the International Conference RAEHA-2025

*Rayat Shikshan Sanstha's*  
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College  
Manchar, Tal. Ambegaon, Dist. Pune

**One Day International Conference 2025**

**Saturday, 1<sup>st</sup> March 2025**

**Recent Advances in Energy Harvesting & Applications (RAEHA 2025)**

### EVENT SCHEDULE

8:30 – 9:30 AM	Conference Registration / Breakfast		Introduction	Vote of Thanks
10:00-11:30 AM	<b>Inauguration</b>		<b>Ms. A M Dange</b>	<b>Dr. S C Mahakal</b>
	<b>Keynote Address</b>	<b>Dr. Bharat Kale</b> Former Scientist-G & Director General C-MET Director, Mat. Sci., MIT WPU, Pune		
	<b>Guest of Honor</b>	<b>Dr. Gopinath T</b> Faculty, MIT WPU, Pune Young associate MASC		
	<b>President</b>	<b>Dr. N. S. Gaikwad</b> Principal, AAC, Manchar		
11:30-12:30 PM	<b>Session I</b>	<b>Chair: Dr. Bharat Kale</b> Former Scientist-G & Director General C-MET Director, Mat. Sci., MITWPU, Pune <b>Speaker: Dr. Gopinath T</b> Faculty, MIT WPU, Pune Young Associate MASC	<b>Dr. S C Mahakal</b>	<b>Mr. V P Mhaske</b>
12:30 – 1:30 PM	<b>Session II</b>	<b>Chair: Dr. Vikas Mathe</b> Professor, SPPU Pune <b>Speaker: Dr. Manisha Phadature (Online)</b> Researcher, Mid Sweden University, Sundsvall, Sweden	<b>Mr. M D Rokade</b>	<b>Mr. P V Kurkute</b>
1:30 – 2:15 PM	<b>Lunchtime Break</b>			
2:15- 3:00 PM	<b>Paper &amp; Poster Presentation</b>			
3:00 – 3:45 PM	<b>Session III</b>	<b>Chair: Dr. S. D. Sartale</b> Professor, SPPU Pune <b>Speaker: Dr. B R Sankpal (Online)</b> Professor, Visvesvaraya National Institute of Technology, Nagpur	<b>Mr. H S Shirke</b>	<b>Mr. S B Bhalke</b>
3:45 – 3:55 PM	<b>Tea Break</b>			
4:00 – 5:00 PM	<b>Valedictory</b>		<b>Dr. S C Mahakal</b>	<b>Dr. S T Shinde</b>
	<b>Chief Guest</b>	1) <b>Dr. S. D. Sartale</b> Professor, SPPU Pune 2) <b>Dr. Vikas Mathe</b> Professor, SPPU Pune 3) <b>Dr. Manisha Phadature (Online)</b> Researcher, Mid Sweden University, Sundsvall, Sweden		
	<b>President</b>	<b>Dr. N. S. Gaikwad</b> Principal, AAC, Manchar		

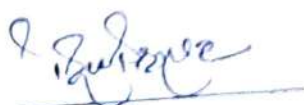




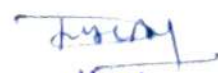
*Rayat Shikshan Sanstha's*  
**Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College,**  
**Manchar. Tal- Ambegaon, Dist- Pune.**  
**International Conference (RAEHA-2025)**  
**Recent Advances in Energy Harvesting & Applications**  
**List of Participants for Presentation**

Sr.No.	Research Paper /Abstract	Poster
1	Rahul Sahane, Swarupkumar Bhalke	Mrs. Kinnari Jaiwant Patil
2	Nitin. M. Thorat/ Dr. S.T. Shinde.	Khot Gauri M
3	Tausif Shaikh , Ashok Kanade	Akanksha Ghumare
4	Prof. A.D. Shaligram /Ms. Sharmishtha B. Sumbe,	Hemant Shirke
5	Vijay S. Kumbhar/Nanasaheb S. Gaikwad	Inamdar Sahil Gafar
6	Sankpal Suraj R	Somesh Ghule, Abhang Prasad
7	Jayesh Jadhav, Narendra Patil	Atharv Gadhve, Abhang Sayali
8	Inamdar Sahil Gafar	Gawari Kishori, Dhengale Karishma
9	R. D. Hoval / Dr. S.T. Shinde	Hule Ashwini, Totre Samrudhi
10	Reshma S. Pawar ,	
11	Vikas P. Mhaske , Shraddha Mahakal	
12	Sushil Chavhan, Siddharth Kamble	
13	Kurkute P.V. Jagtap S.B.	
14	Jayshree Khilari	
15	Rokade Mangsh / Shete Rahul	

Total Paper Presentation = 15  
 Total Poster Presentation = 09

  
 Kurkute P. V.



  
 Head  
 Dept. of Electronic Science  
 A A College, Manchar





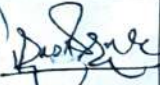
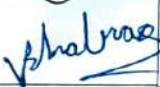
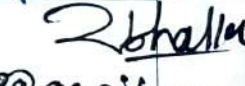


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**One Day International Conference 2025**  
**Recent Advances in Energy Harvesting & Applications (RAEHA 2025)**

Saturday, 1<sup>st</sup> March, 2025

**Registration List**

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S10	Jadhav Payal Dnyaneshwar	A.A.C. Manchar	SPPU	MSc-II	8766494140	2424june@gmail.com	<u>Payal</u>





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63	Hemant Shirke	Annasaheb Awate College, Manchar	SPPU	Teacher	8805583238	hemantshirke1999@gmail.com	Paper presentation
64	Khilari Jayashree	Annasaheb Awate College Manchar	SPPU	Teacher	8624053490	jobkhilari@gmail.com	Paper Jayashree
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74	Lohate Dipali	A.A College Manchar	SPPU	T.Y.BSc student	7385081506		
75	Gauri Mohan Khot	D.Y. Patil Education Society, Kolhapur	SPPU	Research scholar	9105470629	gaurikhot545@gmail.com	online
76	Kinnery Machindranath Potiy	Department of Physics	SPPU	Research scholar	8698719455	kinnari.patil4@gmail.com	online
77	Suraj Ramesh Sankepal	D.Y. Patil Education Society, Deemed to be University, Kolhapur	SPPU	Research scholar	8623006453	surajsankepal1936@gmail.com	online
78	Jayesh Jadhav	K.R.T. Arts B.H. Commerce and A.M. Science College, Nashik	SPPU	Research scholar	9922317095	jadhav.jayesh55@gmail.com	online
79	Inamdar Sahil Gafar.	New Arts Commerce and Science College Ahmednagar	SPPU	student	8010011515	inamdarshul200@gmail.com	online
80	Kanade Ashok Tukaram.	PVP college of Arts, Science & Commerce Panvel, Maharashtra	SPPU	Faculty	8055420924	ashokkanade@gmail.com	online
81	Shinde Samiksha Mangesh	Annasaheb Amate College, Manchar	SPPU	student	7822084524	samikshashinde264@gmail.com	online





Sl. No.	Name of the Beneficiary	Designation	Mobile Number	Email	State	Details of the Payment	Amount of the Payment	Topic of Research / Project	Address	
1	Miss Gouri Mohan Khot	D. Y. Patil Education Society, deemed to be University, Kolhapur	Research Scholar	8105470629	gourikhot545@g mail.com	Maharashtra	Phone pay transact	Rs. 500	CHEMICAL SYNTHESIS AND CHARACTERIZATION OF MOF YBDBHM DISULFIDE CATALYST FOR ELECTROCATALYTIC HYDROGEN EVOLUTION REACTION	Miss Gouri Mohan Khot
2	Kinnari Machindranath	Department of Physics	Research Scholar	8698719455	kinnari.patil41@g mail.com	Maharashtra	Transaction ID : 50	500	Green Synthesis of Iron Oxide Nanoparticles Using Hibiscus (Hibiscus White) Flower	Kinnari Patil
3	Mr. Suraj Ravasaheb Sankpal	D. Y. Patil Education Society Deemed to be University, Kolhapur	Research Scholar	8623006453	surajsankpal1996@gmail.com	Maharashtra	Paytm UPI Ref. No	Rs 500	Chemically Synthesized Multilayered carbon nanotubes/Copper Vanadate Electrode for Supercapacitor Application	Suraj R. Sankpal
4	Jayesh Suresh Jadhav	K.R.T. Arts B.H. Commerce and A.M. Science College (KTHM) Nashik	Research Scholar	9922317096	jadhav.jayesh56@gmail.com	Maharashtra	T25021519315738	500	Characterization of Titanium Dioxide (TiO2) Reduced Graphene Oxide (rGO) thin film composite prepared by spray pyrolysis technique and its structural properties	Jayesh Suresh Jadhav
5	Inamdar Sahil Gaffar	New Arts Commerce and Science College Ahmednagar	Student	8010011515	inamdarsahil2001@gmail.com	Maharashtra	T25022218245839	300	Design and Development of Smart Water Level Monitor and Control System	Sahil Inamdar
6	Ms. Gouri Mohan Khot	D. Y. Patil Education Society, deemed to be University, Kolhapur	Research Scholar	08105470629	gourikhot545@g mail.com	Maharashtra	Phone pay transact	Rs. 500	CHEMICAL SYNTHESIS AND CHARACTERIZATION OF MOF YBDBHM DISULFIDE CATALYST FOR ELECTROCATALYTIC HYDROGEN EVOLUTION REACTION	Miss Gouri Mohan Khot
7	Ms. Gouri Mohan Khot	D Y Patil Education Society, Kolhapur	Research Scholar	8105470629	gourikhot545@g mail.com	Maharashtra	UTR 00794584316	500 Rs	Synthesis and characterization of MoS2 by hydrothermal method for electrocatalytic HER	Ms. Gouri Mohan Khot
8	Dr Ashok Tukaram Kanade	P.V.P. College of Arts, Science and Commerce, Pravaranagar	Faculty	8055420924	ashokkanade@g mail.com	Maharashtra	T25022710482752	700	Pre-processing Classification of guava fruits (Psidium guajava) using E-Nose	Dr Ashok Kanade
9	Samiksha mangesh shinde	Annasaheb awate college, manchar	Student	7822084524	samikshashinde264@gmail.com	Maharashtra	online payment	300	Artificial intelligence and Machine learning	Samiksha shinde
10	Tausif Nazeeer Shaikh	Padmashri Vikhe Patil College of Arts Science & Commerce Pravaranagar	Faculty	9823383286	tousi1987@gmai l.com	Maharashtra	through Phone Pay	700	An overview of Machine Learning Techniques for Flower Classification, Biomimetic Identification, Clustering, and Identity Verification	Tausif Shaikh1 & Ashok Kanade2
11	Samruddhi Kawade	Sm joshi college	Student	7385298167	samruddhi.sk.158@gmail.com	Maharashtra	Online	300	Smart farming by pest infestation management using IoT	Samruddhi Kawade and sonali shivarkar
12	Ghule Somesh Nilesh	Annasaheb Awate College, Manchar	Student	8600580828	someshghule750@gmail.com	Maharashtra	Online (g-pay)	300rs	Automatic grass cutting machine	Somesh Nilesh Ghule
13	Khilari Jayshree Balshir	Annasaheb Awate College Manchar	Faculty	8624053490	jkbkhilari@gmail.com	Maharashtra	Online Phone pay	700	An IoT Based Smart E Fuel using ESP32	Khilari Jayshree Balshiram
14	Sharmishtha Bhausaheb SPPU		Research Scholar	9823972171	kolhesharmishtha@gmail.com	Maharashtra	074953177112	500	Mathematics is playing crucial role in enabling and optimizing IoT applications	Sharmishtha B. Sumbe, Dr. Pooja U. More, Prof. Arvind D. Shaligram
15	Rahul Baban Sahane	Shri Shiv Chhatrapati College, Junnar	Faculty	9762652142	rbsahane@gmail.com	Maharashtra	Phone pay transact	700	A study on minimum hub order energy of a graphs	R. B. Sahane
16	Shinde Aishwarya Bharat	Annasaheb Awate College Manchar	Student	8766655309	aishushinde004@gmail.com	Maharashtra	Transaction ID: T2	300	Evaluation of Numeracy Literacy of Mathematics in Junior High School	Aishwarya Shinde, Tejal Gaikwad
17	Gaikwad Tejal dattatray	Annasaheb Awate College Manchar	Student	8767710993	gaikawadtejal272@gmail.com	Maharashtra	T25022814193487	300	Evaluation of Numeracy Literacy of Mathematics in Junior High School	Aishwarya Shinde Tejal Gaikwad
18	Walkoli Pratik Kisan	Annasaheb Awate College Manchar	Student	9422785065	pratikwalkoli03@gmail.com	Maharashtra	T25022814270799	300	Latest Developments in Graph Theory and its Applications	Pratik Walkoli Vaishali Dharade
19	Dharade Vaishali Santos	Annasaheb Awate College Manchar	Student	8208382074	dharadevaishali502@gmail.com	Maharashtra	T25022814335481	300	Latest Developments in Graph Theory and its Applications	Pratik Walkoli Vaishali Dharade
20	PRAJVAL ARVIND SA	Annasaheb Awate College Manchar	Student	8261073616	sawtepraju@gmail.com	Maharashtra	5.42579E+11	300	An Overview of Graph Theory and its Applications in Multiple Fields	Prajval Sawate Ajay Thorat

## Certificate of the International Conference RAEHA-2025



Rayat Shikshan Sanstha's

**Annasaheb Awate Arts, Commerce &  
Hutatma Babu Genu Science College, Manchar**

Tal-Ambegaon, Dist.-Pune (Maharashtra) 410503

NAAC 4<sup>th</sup> Cycle - 'A' Grade with CGPA 3.06

Affiliated to Savitribai Phule Pune University, Pune (Maharashtra) India.



**One Day International Conference on**

**Recent Advances in Energy Harvesting And Applications (RAEHA-2025)**




# CERTIFICATE



This is to certify that Prof. / Dr. / Mr. / Mrs. / Miss. Khilari Jayshree Balshiram  
from Annasaheb Awate college, Manchar has Invited as a Resource Person / Chaird a  
Session / Participated / Presented a Paper / Poster entitled An IoT Based smart  
E-fuel Using ESP-32 in One Day International Conference on "Recent Advances in  
Energy Harvesting And Applications (RAEHA-2025)" organized by Department of Electronic Science, Physics  
and Mathematics on Saturday, 1<sup>st</sup> March, 2025.

  
Dr. S. C. Mahabadi  
Organizing Secretary

  
Ms. A. M. Dange  
Coordinator

  
Dr. S. T. Shinde  
Co-Convenor

  
Dr. N. S. Garkwad  
Convenor, RAEHA-2025





Estd. 1966



\* PRINCIPAL \*  
Dr. Gaikwad N.S.  
MSc., Ph.D.

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Rayat Shikshan Sanstha's

**ANNASAHAB AWATE ARTS, COMMERCE &  
HUTATMA BABU GENU SCIENCE COLLEGE**

**Manchar, Tal. Ambegaon, Dist. Pune  
(Maharashtra) - 410 503.**

**ACCREDITED 'A' BY NAAC**

ID. No. - PU/PN/ASC/017/1966

A.I.S.H.E. - C - 41221

PUN Code : CAAP010110



\* FOUNDER \*

Padmabhushan  
Dr. Karmaveer Bhairao Patil  
D. Litt.

Ref. No. 1459/2024-25

Date: 28/02/2025

To,  
Dr. Bharat Kale  
Former Scientist-G & Director General C-MET  
Director, Mat. Sci., MITWPU, Pune

**Subject: Appreciation for Your Contribution as Keynote Speaker**

Dear Sir,

On behalf of the organizing committee, I would like to express our heartfelt gratitude for your invaluable contribution as the keynote speaker at the One Day International Conference on **Recent Advances in Energy Harvesting & Applications (RAEHA 2025)**, held on 1<sup>st</sup> March 2025.

Your insightful presentation not only captivated the audience but also provided a profound understanding of the current trends and prospects in energy harvesting. The depth of your knowledge and expertise in the field was evident, and it inspired meaningful discussions among the attendees.

We appreciate the time and effort you dedicated to preparing and delivering your talk, as well as your willingness to share your experiences and insights with our community. Your participation significantly enhanced the quality of the conference and left a lasting impression on all participants.

Once again, thank you for being a pivotal part of Rayat Shikshan Sanstha's, Annasaheb Awate College, Manchar and for contributing to the success of **RAEHA-2025**. We hope to have the opportunity to collaborate with you in the future.

Thank you



With best Regards,

*MS*

Principal

Annasaheb Awate Arts, Commerce &  
Hutatma Babu Genu Science College, Manchar

Estd. 1966



\* PRINCIPAL \*  
Dr. Gaikwad N.S.  
MSc., Ph.D.

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(Maharashtra) - 410 503.**

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\* FOUNDER \*  
Padmalabhushan  
Dr. Karmaaveer Bhaurao Patil,  
D. Litt.

Ref. No. 1458/2024-25

Date: 23/02/2025

To,  
Dr. Manisha Phadtare  
Researcher,  
Mid Sweden University  
Sundsvall, Sweden

**Subject: Appreciation for Your Contribution as Resource Person**

Dear Ma'am,

On behalf of the organizing committee, I would like to express our heartfelt gratitude for your invaluable contribution as the keynote speaker at the One Day International Conference on **Recent Advances in Energy Harvesting & Applications (RAEHA 2025)**, held on 1<sup>st</sup> March 2025.

Your insightful presentation not only captivated the audience but also provided a profound understanding of the current trends and prospects in energy harvesting. The depth of your knowledge and expertise in the field was evident, and it inspired meaningful discussions among the attendees.

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Once again, thank you for being a pivotal part of Rayat Shikshan Sanstha's, Annasaheb Awate College, Manchar and for contributing to the success of **RAEHA-2025**. We hope to have the opportunity to collaborate with you in the future.

Thank you.



With best Regards,

  
Principal

Annasaheb Awate Arts, Commerce &  
Hutatma Babu Genu Science College, Manchar



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\* FOUNDER \*

Padmabhushan

Dr. Karmaveer Bhaurao Patil,  
D. Litt.

\* PRINCIPAL \*  
Dr. Gaikwad N.S.  
MSc., Ph.D.

Ref. No. 1457/2024-25

Date: 28/02/2025

To,  
Prof. Dr. B. R. Sankpal  
Professor,  
Visvesvaraya National Institute of Technology,  
Nagpur

**Subject: Appreciation for Your Contribution as Resource Person**

Dear Sir,

On behalf of the organizing committee, I would like to express our heartfelt gratitude for your invaluable contribution as the keynote speaker at the One Day International Conference on **Recent Advances in Energy Harvesting & Applications (RAEHA 2025)**, held on 1<sup>st</sup> March 2025.

Your insightful presentation not only captivated the audience but also provided a profound understanding of the current trends and prospects in energy harvesting. The depth of your knowledge and expertise in the field was evident, and it inspired meaningful discussions among the attendees.

We appreciate the time and effort you dedicated to preparing and delivering your talk, as well as your willingness to share your experiences and insights with our community. Your participation significantly enhanced the quality of the conference and left a lasting impression on all participants.

Once again, thank you for being a pivotal part of Rayat Shikshan Sanstha's, Annasaheb Awate College, Manchar and for contributing to the success of **RAEHA-2025**. We hope to have the opportunity to collaborate with you in the future.

Thank you.



With best Regards,

*ms 2*

Principal

Annasaheb Awate Arts, Commerce &  
Hutatma Babu Genu Science College, Manchar

Estd. 1966



\* PRINCIPAL \*  
Dr. Gaikwad N.S.  
MSc., Ph.D.

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\* FOUNDER \*  
Padmabhushan  
Dr. Karmaveer Bhaurao Patil,  
D. Litt.

Ref. No. 1456/2024-25

Date: 28/02/2025

To,  
Dr. S. D. Sartale  
Professor, SPPU, Pune

**Subject: Appreciation for a Chairperson at the Hybrid International Conference.**

Dear Sir,

On behalf of the organizing committee of the Hybrid International Conference "Recent Advances in Energy Harvesting & Applications (RAEHA-2025)". I would like to extend our heartfelt appreciation for your outstanding contribution as a session chair during the event held on 1<sup>st</sup> March 2025. Your expertise and guidance significantly enriched the discussions and ensured a seamless flow of the session.

Your ability to engage both the speakers and the audience was exemplary. The insights you provided not only facilitated meaningful dialogue but also encouraged participants to share their thoughts and perspectives. Feedback from attendees indicated that your moderation helped foster a collaborative and dynamic atmosphere, pivotal to the success of the session.

We are especially grateful for the time and effort you invested in preparing for this role, and we sincerely appreciate your willingness to lead discussions on such critical topics within our field. Your passion for relevant fields and commitment to advancing knowledge left a lasting impact on all participants.

Thank you once again for your invaluable contribution to RAEHA-2025. We look forward to the possibility of collaborating with you in future conferences and initiatives. If there is anything we can do to support your work moving forward, please do not hesitate to reach out.

Wishing you continued success in your endeavours.

Thank you.

With best

Regards,



*MS*  
Principal

Annasaheb Awate Arts, Commerce &  
Hutatma Babu Genu Science College, Manchar



Estd. 1966



\* PRINCIPAL \*  
Dr. Gaikwad N.S.  
MSc., Ph.D.

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\* FOUNDER \*  
Padmabhushan  
Dr. Karmaveer Bhaurao Patil,  
D. Litt.

Ref. No. 1462/2024-25

Date: 01/03/2025

To,  
Prof. Dr. Gopinath T.,  
Faculty, MIT WPU, Pune,  
Young Associate MASC

**Subject: Appreciation for Your Contribution as Keynote Speaker**

Dear Sir,

On behalf of the organizing committee, I would like to express our heartfelt gratitude for your invaluable contribution as the keynote speaker at the One Day International Conference on **Recent Advances in Energy Harvesting & Applications (RAEHA 2025)**, held on 1<sup>st</sup> March 2025.

Your insightful presentation not only captivated the audience but also provided a profound understanding of the current trends and prospects in energy harvesting. The depth of your knowledge and expertise in the field was evident, and it inspired meaningful discussions among the attendees.

We appreciate the time and effort you dedicated to preparing and delivering your talk, as well as your willingness to share your experiences and insights with our community. Your participation significantly enhanced the quality of the conference and left a lasting impression on all participants.

Once again, thank you for being a pivotal part of Rayat Shikshan Sanstha, Annasaheb Awate College, Manchar and for contributing to the success of **RAEHA 2025**. We hope to have the opportunity to collaborate with you in the future.

Thank you.



Regards,

**Principal**

Annasaheb Awate Arts, Commerce &  
Hutatma Babu Genu Science College, Manchar

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PRINCIPAL  
Dr. Gokulnath N. S.  
MSc. Ph.D.

# ANNASAHAB AWATE ARTS, COMMERCE & HUTATMA BABU GENU SCIENCE COLLEGE

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(Maharashtra) - 410 503.

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ID. No. - F1/PN/14/01/1506

A.I.S.R.E. - C - 41221

PUN Code : CAAP010119



FOUNDER

Postmaster  
Dr. K. Ramaswami (Ph.D.)  
D. Litt.

Ref. No. 14155(A)/2024-25

Date 28/02/2025

To,  
Prof. Dr. Gopinath T.,  
Faculty, MIT WPE, Pune,  
Young Associate M.A.Sc.

Subject: Invitation as a Keynote Speaker for the Hybrid International Conference.

Dear Sir,

We are elated to announce that the Rayat Shikshan Sanstha, Annasaheb Awate College, Manchar, is organising a Hybrid (Offline and Online) International Conference on "Recent Advances in Energy Harvesting & Applications (RAEHA-2025)" for students, research scholars, faculty members in Universities/Colleges/Institutes of higher education, and Industry Delegates. The programme will be organized on 1<sup>st</sup> March 2025.

Based upon your outstanding contribution in this field and as you are a renowned speaker, your deliberation and participation will surely benefit the participants. On behalf of the organizing committee, it gives me immense pleasure to cordially welcome you as a **Keynote Speaker** and guide the young budding scientists. Your early reply will be appreciated!

The themes of the program are as follows:-

1. Materials for Energy Applications
2. Energy Storage Devices
3. Electronic & Optical Materials
4. Optoelectronics
5. Mechatronics
6. Smart Polymers
7. Green & Sustainable Energy
8. Nanomaterial Synthesis & Applications
9. Materials for Catalytic Applications
10. Smart Technology: AI & IoT
11. Sensors
12. Information Analysis

The primary objective of the conference is to empower and motivate the stakeholders from the remotest parts to enhance the learning process and keep updated in recent advancements in the aforementioned topics.

Looking forward to your positive response.

Yours truly,



Principal

Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar