<table>
<tr><td>Name:

Dr. M. Syed Ibrahim</td><td colspan="4">  </td></tr>
<tr><td>Designation:</td><td colspan="4">Assistant Professor</td></tr>
<tr><td>Qualification:</td><td colspan="4">M.Sc., Ph.D., Post-Doc., (DST and DOS)</td></tr>
<tr><td>Area of specialization:</td><td colspan="4">Solar Physics, Astrophysics and Solar Plasma</td></tr>
<tr><td rowspan="2">Experience:</td><td>Industrial Experience</td><td>Postdoctoral Experience</td><td colspan="2">Teaching Experience</td></tr>
<tr><td>-</td><td>6 Y 7 M</td><td colspan="2">1 year 6 months</td></tr>
<tr><td rowspan="2">Number of workshops / FDP attended:</td><td colspan="2">Number of Workshops</td><td colspan="2">Number of FDPs</td></tr>
<tr><td colspan="2">-</td><td colspan="2">3</td></tr>
<tr><td rowspan="3">Publications:</td><td colspan="2">Conference</td><td colspan="2">Journal</td></tr>
<tr><td>National</td><td>International</td><td>National</td><td>International</td></tr>
<tr><td>21</td><td>6</td><td>2</td><td>17</td></tr>
<tr><td>Books / Book Chapters</td><td colspan="4">2</td></tr>
<tr><td rowspan="2">Patents:</td><td colspan="2">National</td><td colspan="2">International</td></tr>
<tr><td colspan="2">-</td><td colspan="2">-</td></tr>
<tr><td rowspan="2">Research Guidance</td><td colspan="2">Completed</td><td colspan="2">Ongoing</td></tr>
<tr><td colspan="2">-</td><td colspan="2">-</td></tr>
<tr><td>Professional Body Membership</td><td colspan="4">1. IEEE
2. International Astronomical Union (IAU, France, FR, Junior membership (Department of Astronomy and Astrophysics)
3. Plasma Society of India, Ahmadabad, India</td></tr>
</table>

Research	**Google Scholar ID**: https://scholar.google.co.in/citations?user=4Aqh_9UAAAAJ **Researcher ID:** **Orcid ID:** 0000-0003-1005-4304 **Scopus ID:** 56335432300 **Anna University Guideship: 4670019**
Staff Achievements	1. Secured first rank and Gold medal in M. Sc., Physics. 2. Selected for UGC – JRF project Assistant Fellowship.

Educational Qualifications:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc.,	Physics	2011	ANJA College, Sivakasi	Madurai Kamaraj University	72	First
PG	M.Sc.,	Physics	2013	ANJA College, Sivakasi	Madurai Kamaraj University	77	First
Doctorate	Ph.D.	Physics	2018	UGC-MRP-JRF-project assistant	Madurai Kamaraj University	Highly Commented	

Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Sairam Engineering College, Chennai	Assistant Professor	26-08-2024	Till date	1	6	6
Indian Institute of Astrophysics, Department of Science and Technology, Govt. of India	PDF-III	01-10-2021	25-08-2024	2	10	18
ARIES, Department of science and Technology, Govt. of India	PDF-II	06-01-2020	30-09-2021	1	8	26
PRL, USO, Department of space, Govt. of India	PDF-I	04-01-2018	03-01-2020	2	0	0
Total				8	1	19

FDP/STTP Attended:

1. Faculty development program on "Large Language Models" organized by the department of AIDS, Sri Sai Ram Engineering College, 6-10 January 2025.
2. Faculty development program on "interacting COMSOL multiphysics for innovative solution" organized by the department of AIML, Sri Sai Ram Engineering College, 7-8 October 2025.
3. Faculty development program on "Inculcating universal human values in technical Education" organized by the department of AICTE, Sri Sai Ram Engineering College, 4-6 December 2025.

Papers presented in International / National Conferences:

1. Geo-effectiveness of non-active region interplanetary CMEs: initiation, propagation and near-Earth consequences, Astronomical Society of India (ASI) symposium 002, International meet, 16-18, December, 2024, contributed talk, **M. Syed Ibrahim,** R. Premanand, J. Raja and A. Shanmugaraju, Oral presentation.
2. Transit time of CME/shock associated with a major geo-effective CME in Solar Cycle 25, Astronomical Society of India (ASI) symposium 002, International meet, 16-18, December, 2024, **M. Syed Ibrahim**, J. Raja, K. Parvatham, R. Premanand, and A. Shanmugaraju, poster presentation.
3. Band splitting in Solar Type II radio bursts observed by RSTN, 6th URSI regional conference on Radio science (URSI-RCRS 2024), 22-25 October 2024. Ramesh Chandra, **M. Syed Ibrahim**, Pooja Devi, Rositsa Miteva, Poster presentation.
4. Formation of the type II radio burst, Uniqueness of RQ CMEs in the near Sun) in the summer school camp 7-14 June 2024, **M. Syed Ibrahim**, Kodaiknal Solar Observatory, Indian Institute of Astrophysics, on 11th June, 2024.
5. Near Sun plasma eruptions and near Earth consequences in the summer school camp, 7-14 June 2024, **M. Syed Ibrahim**, Kodaiknal Solar Observatory, Indian Institute of Astrophysics, on 10thJune, 2024.
6. Interaction of the CMEs at near Sun region and their radio source signatures, poster presentation, IIA in house-symposium, 26-28 March, 2024.
7. Hands on session (KSO-observations), Kodaikanal Winter School on Solar Physics, 3-10 January 2024, **M. Syed Ibrahim**, Kodaikanal Solar Observatory, Indian Institute of Astrophysics, 9 Janurary, 2024.
8. Unveiling Mysteries of Space, **M. Syed Ibrahim**, Invited talk, Swami Dayananda College of Arts and Science College, Manjagudi, Mayiladuthurai, 06thOctober, 2023.
9. Sun – Earth Connection, National Workshop on Experimental Astronomy (NWEA 2023), **M. Syed Ibrahim**, Resource Person, Arul Anandar College, Karumathur, Madurai, 21 September 2023.
10. Aditya L1- payloads, M. Syed Ibrahim, Kodaikanal Solar Observatory, IIA, 02 September 2023.
11. Chandrayan-3 Moon mission, **M. Syed Ibrahim**, Kodaikanal Solar Observatory, IIA, 23 August 2023.

12. Flare initiation and CME-ICME propagation, invited talk, **M. Syed Ibrahim**, SRM college for engineering and technology, Madurai, 17 June 2023.
13. Multi-wavelenth Solar observations, **M. Syed Ibrahim**, Summer School, Kodaikanal Solar Observatory, IIA, 22-30 May 2023.
14. Reason for radio quietness, lightening talk, Science from in-situ measurements of Aditya L1 (SIMA-01), **M. Syed Ibrahim**, Space Physics Laboratory, VSSC, 11-13 April 2023.
15. Discussion on the solar eruptive Geo-effective CMEs, **M. Syed Ibrahim**, 20 February 2022, Kodaikanal Solar Observatory, IIA, Kodaikanal, India.
16. A study of multiple Coronal Mass Ejections and their propagation and Geo-effectiveness, **M. Syed Ibrahim**, 21 Fberuary 2022, International conference Scostep, 15th Quadrennial Solar Terrestrial Physics Symposium. Webex platform.
17. Geo-effective CMEs from solar atmosphere: Initiation, CME-CME interaction, and interplanetary consequences, **M. Syed Ibrahim**, 22 February 2022, Indian Institute of Astrophysics, Bangalore, India.
18. Sun to Earth analysis of a major Geo-effective solar eruption, **M. Syed Ibrahim**, 16 May 2022, St. Joseph College, Caddalore, Tamilnadu, India.
19. Comparison of two Coronal Mass Ejection: Propagation and their geo-effectiveness, VELC/Aditya L1 National Science Workshop 8-10 June 2022. **M. Syed Ibrahim**, 10 June 2022, Kodaikanal Solar Observatory, Indian Institute of Astrophysics, Tamilnadu, India.
20. Propagation Characteristics of Coronal Mass Ejection, Group meeting presentation, 20 September 2022, **M. Syed Ibrahim**, online zoom link.
21. Coronal Mass Ejections: Initiation, propagation and their geo-effectiveness 21 September 2022, **M. Syed Ibrahim,** online Zoom link**.**
22. Sun-Earth connection: the effect of solar eruption, invited talk, **M. Syed Ibrahim**, Rabiammal Ahmed Moideen College, 14 October 2022.
23. Sun-Earth connection: the effect of solar eruption, invited talk, **M. Syed Ibrahim**, Rabiammal Ahmed Moideen College, 14 October 2022.
24. Propagation of coronal mass ejection during solar cycles 23 and 24, **M. Syed Ibrahim**, 14 January 2020, ARIES, Nainital, Uttrakhand, India.
25. Solar Eruptive geo-effective events: Initiation and propagation characteristics, **M. Syed Ibrahim**, 11 May 2020, ARIES, Nainital, India.
26. Solar eruptions, **M. Syed Ibrahim,** 23 May 2020, Karpagam Institute of Technology, Coimbatore, Tamilnadu, India.
27. Solar eruptive events and their near Earth consequences, **M. Syed Ibrahim**, 10 October 2020, Ayya Nadar Janaki Ammal College, Sivakasi, Tamilnadu, India.

28. Current state of reduced solar activity: intense geomagnetic storms, **M. Syed Ibrahim**, 03 May 2019, **Journal club presentation**, Udaipur Solar Observatory, Physical Research Laboratory, Udaipur, India.
29. Evolution of coronal mass ejection and their near Earth consequences, **M. Syed Ibrahim**, **PDF presentation**, 04 September 2019, ARIES, Department of science and Technology, Nainital, Uttrakhand, India.
30. Solar eruptive flares and associated coronal mass ejections: initiation and propagation characteristics, **M. Syed Ibrahim**. **PDF presentation**, 03 January 2018, Physical Research Laboratory, Ahmadabad, India.
31. Estimation of coronal magnetic field using type II band splitting, **M. Syed Ibrahim**, A. Shanmugaraju, G. Selvarani, V. Vasanth. "IAU Symposium 340 "Long term datasets for the understanding of solar and stellar magnetic cycles", 19-24 February 2018", Jaipur, India.
32. Propagation of coronal mass ejections, **M. Syed Ibrahim.** "Udaipur Solar observatory division seminar", **division seminar**, 18 September 2018, Udaipur, Rajasthan, India.
33. Major X-class flare, halo coronal mass ejection and geomagnetic storm driven by the eruption of magnetic flux rope from active region NOAA 12673 on 2017 September 6, **M. Syed Ibrahim**, Bhuwan Joshi, P. K. Mitra. "DAE/BRNS sponsored 2nd national conference on Advances in Plasma Science and Technology (APST-18)", **oral presentation** 24-26 October 2018, Coimbatore, India.
34. Propagations of two coronal mass ejections/ IP shock: STEREO and ACE observation, **M. Syed Ibrahim**, A. Shanmugaraju, K. Suresh. "UGC sponsored one day national conference on achievement in space science and Astrophysics", 15th Feb. 2017, Sri Meenakshi Govt. Arts College for women, Madurai, India.
35. Major geo-effective solar eruptive events and their effects, **M. Syed Ibrahim**, Bhuwan Joshi, A. Shanmugaraju. "35th meeting Astronomical Society of India", 6th-10th Mar. 2017, Jaipur, India.
36. Solar eruptive flares and associated coronal mass ejections: initiation and propagation characteristics, **M. Syed Ibrahim**. 24 December 2017, Physical Research Laboratory, Ahmadabad, India.
37. Interplanetary parameters of ICME/IP shock associated with solar eruptive events, **M. Syed Ibrahim**, A. Shanmugaraju. "International conference on science for space weather", 24th-29th Jan. 2016, Goa, India.
38. Sun to Earth travel times of CMEs, **M. Syed Ibrahim**, A. Shanmugaraju. National seminar on "Recent developments in space technology and Astrophysics", 5th Jan. 2015, Sri Meenakshi Govt. Arts College for women, Madurai, India.
39. Geo-effective solar eruptive events observed during the period 2007-2013, **M. Syed Ibrahim**, A. Shanmugaraju. "The 33rd meeting of Astronomical society of India", 17th-20th Feb. 2015, NCRA, TIFR, Pune, India.

40. Propagations of four major geo-effective coronal mass ejections, **M. Syed Ibrahim**, A. Shanmugaraju. National Conference on "Latest trends in Physics for interdisciplinary advancements", 6th-7th Feb. 2014, Jayaraj Annapackiam college for Women, Periyakulam, Theni, India.
41. Relation between the geomagnetic storms disturbances index and the direction parameters, **M. Syed Ibrahim**, A. Shanmugaraju. International seminar on "Recent advances in nano-semiconductors and solar materials", 24th Feb. 2014, GTN Arts and Science college, Dindigul, India.
42. Solar eruptive event observed using optical observations and its effects, **M. Syed Ibrahim**, A. Shanmugaraju. National Conference on "Optics, photonics and Lasers", 17th -18th July 2014, Arul Anandar College, Karumathur, Madurai, India.
43. Analysis solar eruptive events during the 24th solar cycle, **M. Syed Ibrahim**, A. Shanmugaraju. International conference on "Coupling of dynamic of the solar atmosphere", 10th-14th Nov. 2014, IUCAA, Pune, India.

Journal Publications:

1. Band Splitting in m-Type II radio Bursts and their Role in Coronal Parameter Diagnostics, Pooja Devei, Ramesh Chandra, Rositsa Miteva, **M. Syed Ibrahim**, Kamal Joshi, 2025, *Advances in Space Research, accepted***.**
2. Erratum to:Geo-Effectiveness of Halo CMEs Based on Magnetic Parameters of the Solar Active Region, P. Vijayalakshmi, A. Shanmugaraju, **M. Syed Ibrahim**, 2025, Geomagnetism and Aeronomy, 1.
3. Geo-Effectiveness of Halo CMEs Based on Magnetic Parameters of the Solar Active Region, P. Vijayalakshmi, A. Shanmugaraju, **M. Syed Ibrahim**, 2025, Geomagnetism and Aeronomy, 1-15
4. Eruption of prominence initiated by loss of equilibrium: multipoint observations, P. Vemareddy, **M. Syed Ibrahim**, 2023, MNRAS, 527, 17774-1783.
5. Comparison between Radio Loud and Radio Quiet fast CMEs: A reason for Radio Quietness: A comparison, **M. Syed Ibrahim**, E. Ebenezer, A. Shanmugaraju, 2023, Solar Physics, 298, 59-75.
6. Temporal and spatial association between a solar flare, CME, and radio burst on 19 November 2013, A. Shanmugaraju, **M. Syed Ibrahim**, K. Suresh, P. Vijayalakshmi, Sajal Kumar Dhara, 2021, *Solar Physics, 296,* 77-87.
7. Investigation of two coronal mass ejections from circular ribbon source region: Origin, Sun-Earth propagation and geo-effectiveness, **M. Syed Ibrahim**, Wahab Uddin, Bhuwan Joshi, Ramesh Chandra, Arun Kumar Awasthi, 2021, *Research in Astronomy and Astrophysics, 21,* 318-337.
8. Interplanetary Coronal Mass Ejections during Solar Cycles 23 and 24: Sun-Earth propagation characteristics and consequences at near-Earth region. **M. Syed Ibrahim**, Bhuwan Joshi, K. S. Cho, R. S. Kim, Y. J. Moon, 2018, *Solar Physics,* 294, 52-68.

9. Properties and relationship between solar eruptive flares and CMEs during rising phase of solar cycle 23 and 24. **M. Syed Ibrahim**, A. Shanmugaraju, Y. J. Moon, 2017, *Advances in Space Research, 61,* 540-551**.**
10. A major geo-effective coronal mass ejection from NOAA 12371: Initiation and interplanetary consequences. Bhuwan Joshi, **M. Syed Ibrahim**, A. Shanmugaraju, Dibyendu Chakrabarty, 2017, *Solar Physics, 291,* 107-117.
11. Propagation of solar eruptive events (CMEs) observed during the rising phase of the solar cycle 24. **M. Syed Ibrahim**, P. K. Manoharan, A. Shanmugaraju, 2017, *Solar Physics,* 292, 133-149*.*
12. Evaluation of standoff distance method to determine the coronal magnetic field using CME driven shocks. K. Suresh, A. Shanmugaraju, **M. Syed Ibrahim**, 2016, *Astrophysics and Space Science***,** 361, 360-365**.**
13. Relationships between Interplanetary Coronal Mass Ejection Characteristics and Geo-effectiveness in the Rising Phase of Solar Cycles 23 and 24. M. Bendict Lawrance, A. Shanmugaraju, Y. J. Moon, **M. Syed Ibrahim**, S. Umapathy, 2016, *Solar Physics*, 291, 1547-1560.
14. Transit time of CME/shock associated with four major Geo-effective CMEs in solar cycle 24. **M. Syed Ibrahim**, A. Shanmugaraju, M. Bendict Lawrance, 2015, *Advances in Space Research*, 55, 407-415.
15. Empirical relationship between CME parameters and Geo-effectiveness of halo CMEs in the rising phase of solar cycle 24 (2011-2013). A. Shanmugaraju, **M. Syed Ibrahim**, Y. J. Moon, A. Mujiber Rahman, S. Umapathy, 2015, *Solar Physics*, 290, 1417-1427.
16. Arrival time of solar eruptive CMEs associated with ICMEs of magnetic cloud and ejecta. A. Shanmugaraju, **M. Syed Ibrahim**, Y. J. Moon, K. Kasro Lourdhina, 2015, *Astrophysics and Space Science***,** 357, 69-79.
17. Interaction between two CMEs during 14-15 February 2011 and their unusual Radio signature. A. Shanmugaraju, S. Prasanna Subramanian, B. Vrsnak, **M. Syed Ibrahim**, 2014, *Solar Physics***,** 289, 4621–4632

Books / Book Chapters:

1. The simple Physics for Civil Engineering, M. Syed Ibrahim and R. Premanand, July 2025, Publisher, Sri Sai Ram Engineering College, ISBN no. 978-93-342-7923-8.
2. Physics for Civil Engineering, M. Syed Ibrahim and R. Premanand, January, 2025, Publisher, Sri Sai Ram Engineering College, ISBN no. 978-93-5692-664-6.

Awards:

1. Secured “FIRST RANK + Gold Medal" in M. Sc (Physics), Ayya Nada Janaki Ammal College, Sivakasi.
2. Selected for the post of Project Assistant (UGC JRF under Major Research Project).
3. Selected for a Postdoctoral fellowship in the Physical Research Laboratory, Udaipur Solar Observatory

Division, Department of Space, a unit of ISRO, Udaipur, Govt. of India.

4. Selected for Postdoctoral Fellowship at the Aryabhatta Research Institute of Observational Sciences, Department of Science and Technology, Nainital, Uttarakhand, India.
5. Selected for a Postdoctoral Fellowship at the Indian Institute of Astrophysics, Department of Science and Technology, Bangalore, Karnataka, India.
6. Won several shields and cups for physics-related competitions at various institutes.