Thorium Research Publications, 2025–2026

A corrected and consolidated bibliographic report

Review period: 1 January 2025 – 31 October 2026 | Compiled: 1 November 2026 |
Source: supplied Google Scholar-based bibliography. Active web links are under Section 5 below
Prepared and checked by 2 AI, Initiated and designed by Yüksel Atakan, Dr. in Radiatıon Physics, 01.11.2026

Abstract

This report checks, corrects and consolidates a Google Scholar-based bibliography of thorium research published between 1 January 2025 and 31 October 2026. The corrected list holds 26 entries: 21 in the main bibliography and 5 additional articles by Turkish researchers. The supplied document stated 19 publications, but its main list actually contains 21 (two entries were both numbered 12). Entries were compared with publisher, institutional-repository or press records where these could be found. Three entries were fully re-checked, five were partly corroborated, one could not be located, and seventeen are carried over from the supplied list without re-checking. The most consequential corrections concern the publication date of the Sultansoy et al. hybrid-reactor paper and the claim attached to it, an unsupported reference to thorium-229 physics, and several missing issue numbers.

The literature is dominated by simulation-based reactor-physics and design studies. None of the entries reports the operation of a commercial thorium-fuelled power reactor.

1. Scope and definitions

The period covers publications dated from 1 January 2025 through 31 October 2026. An article counts as inside the period if its online or issue date falls inside it; where the two differ (entries 7 and 22) both dates are reported. Repository or preprint items are labelled as such. The bibliography is selective and does not claim to reproduce every Google Scholar result.

Google Scholar is a discovery service, not a publisher of record. Author strings, dates and citation counts shown there can change as records are merged. For that reason this report follows publisher, institutional or DOI records wherever they could be located, and it states the strength of the evidence for each entry.

2. Method and verification levels

Each entry was assigned one of four verification levels. The level describes what was done in this review, not what the supplied list says about its own earlier checks.

Level	Meaning	Entries	Entry numbers
V0	Not located in this review; verify before citing	1	4
V1	Re-checked against a publisher or institutional record in this review	3	2, 7, 22
V2	Partly corroborated by an independent record; remaining fields carried over	5	1, 3, 10, 18, 21
V3	Carried over from the supplied list; not re-checked in this review	17	5, 6, 8, 9, 11, 12, 13, 14, 15, 16, 17, 19, 20, 23, 24, 25, 26

Checks used web searches against publisher pages (ANS, RSC), institutional repositories, an arXiv preprint, journal pages, reference lists of other papers and press coverage. Publisher pages could not be opened directly, so page ranges, article numbers and exact dates for V2 and V3 entries remain to be confirmed. Before the list is cited in a formal paper, a DOI-resolver or Crossref check of all V2, V3 and V0 entries is advisable.

3. Overview of the corpus

3.1 Research areas

Area	Entries	Entry numbers
Light-water and other SMR neutronics	6	1, 5, 10, 12, 14, 16
Molten-salt systems	5	4, 7, 13, 18, 20
Gas-cooled and high-temperature reactors	3	3, 8, 17
Heavy-water reactors	2	11, 21
Accelerator-driven and fusion–fission hybrid systems	5	9, 22, 23, 24, 25
Fuel materials and chemistry	2	2, 19
Resources and mineral processing	2	6, 26
Programme overview	1	15

Areas A–E, which concern reactor, core or fuel-assembly design, account for 21 of the 26 entries, and most of these are computational. Three entries are review articles (6, 15, 18). Only two entries (2 and 26) appear to report new laboratory experiments, and entry 19 is a first-principles materials calculation. Entry 21 is the only one that combines a fuel-design overview with reference to physical irradiation tests.

3.2 Publication year and venues

By online or issue date used in this report, 16 entries are from 2025 (entries 1–12 and 22–25) and 10 are from 2026 (entries 13–21 and 26). Entries 7 and 22 are assigned to 2025 on the basis of the supplied online dates but were issued in 2026.

Three venues account for twelve entries: Nuclear Engineering and Design (6: entries 1, 3, 4, 5, 14, 21), Annals of Nuclear Energy (4: entries 8, 9, 17, 20) and Applied Sciences (2: entries 6, 15). MDPI journals (Applied Sciences, Journal of Nuclear Engineering, Materials) account for four entries in total.

4. Corrections made to the supplied list

The table lists each change, where it arose in the supplied document and the evidence behind it.

No.	Where	Issue in the supplied list	Correction and evidence
1	Entry numbering	Two entries (Alnassar and Galahom; Şahin et al.) were both numbered 12, so the last entry was labelled 20 although the list holds 21.	Renumbered 1–21; additional articles continue as 22–26.

No.	Where	Issue in the supplied list	Correction and evidence
2	Scope note	Stated that the report consolidated 19 publications.	Corrected to 21 main entries plus 5 additional articles (26 in total).
3	Scope note	Typographical error: “Identifıer” (dotless ı).	Corrected to “Identifier”.
4	Limitations paragraph	Mentioned “thorium-229 nuclear physics” as an example of adjacent work, but no listed entry concerns thorium-229.	Reference removed; the examples now name only topics that appear in the list.
5	Entry 22 (supplied C1)	Online date given as 3 September 2026, with the DOI carrying the year 2025.	Two repository records list the article as 2025, one dated 10 November 2025. Date changed to “published online 2025”; the October 2026 date is retained as the print issue.
6	Entry 22 (supplied E.2)	The 49 W input for 10 MW output was treated as unconfirmed.	Status updated to partly corroborated. The lead author gave 49 W (against 120,000 W for the muon-catalysed concept) in Turkish press interviews, which gives a ratio of about 2,450, in line with the “about 2,500 times” in the abstract. It is still not confirmed in the full text.
7	Entry 7	Issue number missing; online date not confirmed.	Issue 9 (September 2026) added; acceptance date 3 September 2025 recorded; online-first date flagged as unconfirmed.
8	Entry 2	Issue number and article type missing.	Issue 21 and “Communication” added, with submission and acceptance dates.
9	Entry 6	Issue number missing.	Issue 21 added from the MDPI DOI pattern.
10	Entry 18 (supplied 17)	Linked only to a Zenodo record.	Journal landing page added; entry flagged for lower verification confidence and a terminology problem in the text.
11	Entry 21 (supplied 20)	Date given only as October 2026.	Online publication by July 2026 recorded; October 2026 is the issue month.
12	Entry 4	Described as confirmed by the publisher record.	Could not be located in this review; downgraded to V0 and flagged.
13	Thesis record	The student’s surname is spelled “Çifci” in section D and “Çifçi” in section F.	Harmonised to “Çifci”, to be checked against the AVESIS record.
14	Supplied section E.4	Referred to a “correspondent’s six-item list” that had been repeated in a message.	Deleted as an editorial note that does not belong in an academic report.
15	Section headings and record notes	The additional section was titled “verified research” and every entry carried a “record confirms” note.	Replaced by explicit verification levels (section 2), so that the wording matches the checking actually done.

5. Annotated bibliography

Entries follow one format: authors, title, journal, volume or issue, pages or article number, and date. The area label and the verification level are given under each entry. A review note appears only where something was checked, corrected or needs caution.

5.1 Publications dated 2025

[1] Keferson de A. Carvalho; Graiciany Barros; Matheus H.S. Araujo; Tiago Augusto Santiago Vieira; Rebeca Cabral Gonçalves; Vitor Silva; Andre A. Campagnole dos Santos. **Neutronic analysis and safety considerations in an innovative NuScale-like core merging thorium dioxide and reprocessed fuel.** *Nuclear Engineering and Design*, 433 (2025), article 113874. Published March 2025.

Link: https://doi.org/10.1016/j.nucengdes.2025.113874

Area: Light-water and other SMR neutronics | Verification: **V2**

Review note: Author list, order and DOI match the reference entry in Lapanporo and Su'ud (entry 10). Not to be confused with the same group's 2024 conference paper (EPJ Web of Conferences 302, 13002), which does not involve thorium.

[2] Tiejian Zhu; Cheng Peng. **Low-temperature electrochemical production of thorium borides in NaCl-KCl molten salt systems.** *Dalton Transactions*, 54(21) (2025), 8415–8419 (Communication). First published 9 May 2025.

Link: https://doi.org/10.1039/D5DT00563A

Area: Fuel materials and chemistry | Verification: **V1**

Review note: Confirmed on the RSC record: authors, title, pages, DOI; submitted 8 March 2025, accepted 8 May 2025. Issue number and article type added. Laboratory work at 973 K in a NaCl-KCl-ThF4-KBF4 melt (ThB4 and ThB6), framed as support for TMSR fuel recycling.

[3] Shohanul Islam. **Thorium and fully ceramic microencapsulated TRISO fuel neutronics feasibility analysis in a gas cooled fast reactor: Enhancing transmutation of long-lived fission products.** *Nuclear Engineering and Design*, 438 (2025), article 114014. July 2025.

Link: https://doi.org/10.1016/j.nucengdes.2025.114014

Area: Gas-cooled and high-temperature reactors | Verification: **V2**

Review note: Title, sole authorship and journal corroborated by the author's published-works listing; volume and article number not re-checked.

[4] Andika Putra Dwijayanto; Fitria Miftasani; Nina Widiawati. **Evaluating the benefit of thorium in a two-zone thermal molten salt reactor using open fuel cycle.** *Nuclear Engineering and Design*, 442 (2025), article 114216. October 2025.

Link: https://doi.org/10.1016/j.nucengdes.2025.114216

Area: Molten-salt systems | Verification: **V0**

Review note: This record could not be located in this review. A related earlier paper by the same lead authors exists (Dwijayanto, Miftasani and Harto, Progress in Nuclear Energy 176 (2024), 105369, on thorium in a once-through MSR); the two should not be conflated. Check title, authors and DOI at the DOI resolver before citing.

[5] Hanan Rifai; Ouadie Kabach; Zouhair Sadoune; El Mahjoub Chakir; Sinem Uzun; Hamid Amsil; Fadi El Banni. **Innovative thorium-based fuel assemblies for LW-SMR: In-depth assembly-level neutronic analysis and safety considerations in solid and annular configurations.** *Nuclear Engineering and Design*, 442 (2025), article 114274. October 2025.

Link: https://doi.org/10.1016/j.nucengdes.2025.114274

Area: Light-water and other SMR neutronics | Verification: **V3**

[6] Tolganay Atamanova; Bakhytzhan Lesbayev; Sandugash Tanirbergenova; Zhanna Alsar; Aisultan Kalybay; Zulkhair Mansurov; Meiram Atamanov; Zinetula Insepov. **Advanced Techniques for Thorium Recovery from Mineral Deposits: A Comprehensive Review.** *Applied Sciences*, 15(21) (2025), article 11403. October 2025.

Link: https://doi.org/10.3390/app152111403

Area: Resources and mineral processing | Verification: **V3**

Review note: Issue number (21) added; it follows from the MDPI DOI pattern (app15-21-11403).

[7] Seda Yilmaz; Shripad Revankar; Yunlin Xu. **Neutronic Study of Thorium-Fueled Molten Salt Reactor (TMSR) with Different Fluoride Salts.** *Nuclear Science and Engineering*, 200(9) (2026), 2015–2030. Online-first October 2025 (as supplied); issue September 2026.

Link: https://doi.org/10.1080/00295639.2025.2562501

Area: Molten-salt systems | Verification: **V1**

Review note: Authors, title, pages and DOI confirmed on the ANS record, which also gives the issue (Vol. 200, No. 9, September 2026), receipt 16 May 2025 and acceptance 3 September 2025. The supplied online-first date (8 October 2025) was not confirmed; the ANS page carries a separate "Published" stamp of 13 July 2026. Either date falls inside the review window. Ten fluoride salts were compared with MCNP6.2 at 2,000 MW(th).

[8] Senem Şentürk Lüle; Muhammed Mustafa Bircan; Feride Kutbay; Sefa Sayın; Üner Çolak. **New thorium core loading patterns for high temperature gas cooled nuclear microreactors.** *Annals of Nuclear Energy*, 224 (2025), article 111745. Published 15 December 2025.

Link: https://doi.org/10.1016/j.anucene.2025.111745

Area: Gas-cooled and high-temperature reactors | Verification: **V3**

[9] Shijie Du; Xiang Wu; Peng Fang; Qiuying Liang; Yongwei Yang; Feng Zhou; Yanling Zhu; Lei Yang. **Utilization of thorium in accelerator driven subcritical system.** *Annals of Nuclear Energy*, 224 (2025), article 111728. Published 15 December 2025.

Link: https://doi.org/10.1016/j.anucene.2025.111728

Area: Accelerator-driven and fusion–fission hybrid systems | Verification: **V3**

[10] Boni Lapanporo; Zaki Su'ud. **Evaluation of thorium-based fuels for 12-year operation of small modular BWR without refueling.** *Eastern-European Journal of Enterprise Technologies*, 4(5(136)) (2025), 6–14. Published 28 August 2025.

Link: https://doi.org/10.15587/1729-4061.2025.335730

Area: Light-water and other SMR neutronics | Verification: **V2**

Review note: Journal page located (journals.uran.ua/eejet/article/view/335730): compares (Th-235U)O2 and (Th-233U)O2 with UO2 in a three-zone SMR-BWR core using SRAC and JENDL-4.0. Page range and exact date not re-checked.

[11] Bayan Kurbanova; Yuriy Sizyuk; Ansar Aryngazin; Zhanna Alsar; Ahmed Hassanein; Zinetula Insepov. **Thermal Hydraulics and Solid Mechanics Multiphysics Safety Analysis of a Heavy Water Reactor with Thorium-Based Fuel.** *Journal of Nuclear Engineering*, 6(4) (2025), article 53.

Link: https://doi.org/10.3390/jne6040053

Area: Heavy-water reactors | Verification: **V3**

[12] Nassar Alnassar; A. Abdelghafar Galahom. **Investigating the potential advantages of using thorium-based fuel as an advanced nuclear fuel in a typical boiling water reactor assembly (BWR).** *Scientific Reports*, 15 (2025), article 39772. Published 13 November 2025.

Link: https://doi.org/10.1038/s41598-025-23492-z

Area: Light-water and other SMR neutronics | Verification: **V3**

5.2 Publications dated 2026 (through 31 October)

[13] Hacı Mehmet Şahin; Sümer Şahin; Güven Tunç; Hüseyin Şahiner. **Neutronic study of ThF4-UF4-LiF fuel mixture in the molten salt hybrid reactor for 233U denaturing.** *Progress in Nuclear Energy*, 193 (2026), article 106237. March 2026.

Link: https://doi.org/10.1016/j.pnucene.2026.106237

Area: Molten-salt systems | Verification: **V3**

[14] Xianbao Yuan; Changxiao Guan; Binhang Zhang; Yonghong Zhang. **Pre-conceptual neutronic design and feasibility analysis of a thorium-based lead-bismuth cooled small modular reactor.** *Nuclear Engineering and Design*, 450 (2026), article 114815. April 2026.

Link: https://doi.org/10.1016/j.nucengdes.2026.114815
Area: Light-water and other SMR neutronics | Verification: **V3**

[15] Zinetula Z. Insepov; Ahmed Hassanein; Zulkhair A. Mansurov; Aisarat Gajimuradova; Zhanna Alsar. **Research and Development of Innovative Modular Thorium Reactors in Nuclear-Producing Countries.** *Applied Sciences*, 16(9) (2026), article 4314. Published 28 April 2026.

Link: https://doi.org/10.3390/app16094314
Area: Programme overview | Verification: **V3**
Review note: Volume, issue and article number are consistent with the MDPI DOI pattern (app16-09-4314). A title search in this review did not return the record itself.

[16] Fadi El Banni; Ouadie Kabach; Bogbé L.D.H. Gogon; Hamid Amsil; El Mahjoub Chakir. **Comparative neutronic analysis and safety-related neutronic considerations of thorium-based fuels under different loading patterns in a Westinghouse-SMR-like core.** *Nuclear Analysis*, (2026), article 100246. Published online 15 June 2026.

Link: https://doi.org/10.1016/j.nucana.2026.100246
Area: Light-water and other SMR neutronics | Verification: **V3**

[17] Shlash A. Luhaib; Nassar Alnassar; Sultan J. Alsufyani; A. Saftah; Norah Alsairy; Mohamed Y.M. Mohsen; Sitah Alanazi; A. Abdelghafar Galahom. **Investigation of the feasibility of using thorium-carbon monoxide fuel as accident-tolerant fuel in small advanced high temperature reactor.** *Annals of Nuclear Energy*, 233 (2026), article 112266. August 2026.

Link: https://doi.org/10.1016/j.anucene.2026.112266
Area: Gas-cooled and high-temperature reactors | Verification: **V3**

[18] Abdullatif Rahimi; Pyawarai Ahad Khan; Saqib Ahsanullah. **Neutron Economy and the Thorium Fuel Cycle in Thorium Molten Salt Reactors: A Systematic Review.** *International Journal of Current Science Research and Review*, 9(8) (2026), 4253–4263. Repository record dated 4 August 2026.

Link: https://zenodo.org/records/21803861
Journal page: https://ijcsrr.org/neutron-economy-and-the-thorium-fuel-cycle-in-thorium-molten-salt-reactors-a-systematic-review/
Area: Molten-salt systems | Verification: **V2**
Review note: A journal landing page was located and is added as the primary record; the Zenodo link is a repository copy, not a DOI landing page. The review covers literature from 2020 to 2026 (PRISMA 2020 method). The indexing status and peer-review standard of this journal were not verified, and the retrieved text describes the SD-TMSR as a “solid-fuel” design, whereas the SD-TMSR is a single-fluid, double-zone molten-salt concept. Treat this entry with more caution than the others.

[19] Lin Zhu; Shi Zhao; Ziyu Cheng; Shiqi Sheng; Yibao Liu; Qianglin Wei; Bao-Tian Wang. **First-Principles Investigation of Helium Incorporation Effects on the Structural Stability and Electrochemical Performance of Thorium-Based Mixed Oxide Nuclear Fuels.** *Materials*, 19(18) (2026), article 3828. Published 8 September 2026.

Link: https://doi.org/10.3390/ma19183828
Area: Fuel materials and chemistry | Verification: **V3**

[20] Swarna Sarker Toma; Ali Mahdi; Saad Islam; Shohanul Islam; S.M. Nymul Hasan Anik. **Effect of fuel-salt composition on minor-actinide transmutation in a single-fluid double-zone thorium-based molten salt reactor (SD-TMSR).** *Annals of Nuclear Energy*, 236 (2026), article 112377. October 2026.

Link: https://doi.org/10.1016/j.anucene.2026.112377
Area: Molten-salt systems | Verification: **V3**

[21] Paul K. Chan; Michael Worrall; Koroush Shirvan; Rida Milany; Wenfeng Liu; Mehul Shah. **A technical overview of Clean Core Thorium Energy's thorium-HALEU ANEEL fuel.** *Nuclear Engineering and Design*, 457 (2026), article 115094. October 2026 issue; published online by July 2026.

Link: https://doi.org/10.1016/j.nucengdes.2026.115094

Area: Heavy-water reactors | Verification: **V2**

Review note: The company announced the paper's publication on 15 July 2026, so the online date precedes the October issue month. The corresponding author is Michael Worrall. Authors come from the fuel developer, MIT and engineering firms, so the reported safety results (for example a roughly 20% lower full-core coolant void reactivity than natural-uranium PHWR fuel) are author-reported and should be read with that affiliation in mind. Author order was not re-checked.

5.3 Additional articles by Turkish researchers

[22] Dilara Aktürk; Ali Can Canbay; Burak Dağlı; Umit Kaya; Saleh Sultansoy. **A Subcritical Thorium Fission–Deuteron Fusion Hybrid Reactor: DD Collider Instead of Muonic Fusion as a Neutron Source.** *Fusion Science and Technology*, 82(7) (October 2026), 1415–1421. Published online in 2025 (exact day not confirmed).

Link: https://doi.org/10.1080/15361055.2025.2544107

Publisher / institutional record: https://wx1.ans.org/pubs/journals/fst/a_60943

Area: Accelerator-driven and fusion–fission hybrid systems | Verification: **V1**

Review note: Authors, title, issue and pages confirmed on the ANS record. The supplied online date of 3 September 2026 is not supported: two university repository records list the article as 2025 (one record dated 10 November 2025) and the DOI carries 2025. The October 2026 date is the print issue. A preprint exists (arXiv:2501.12401, 11 January 2025, titled "A Safer, Smaller, Cleaner …")**. The study is theoretical and does not describe an operating reactor.**

[23] Medine Özkaya; Adem Acır. **Comparative evaluation of hydrogen production with various chlorine thermochemical cycles integrated in a PACER fusion driver thorium based molten salt reactor.** *Nuclear Engineering and Technology*, 57(6) (June 2025), article 103391.

Link: https://doi.org/10.1016/j.net.2024.103391

Publisher record: https://www.sciencedirect.com/science/article/pii/S1738573324006429

Area: Accelerator-driven and fusion–fission hybrid systems | Verification: **V3**

Review note: The "2024" in the DOI string reflects the acceptance year; the journal issue is June 2025.

[24] Büşra Durmaz; Alper Buğra Arslan; Hüseyin Yapıcı. **Performance Analysis of MOX and Thorium Dioxide Fuels in Accelerator-Driven Systems.** *Düzce University Journal of Science and Technology*, 13(3) (2025), 1289–1296. Published 31 July 2025.

Link: https://doi.org/10.29130/dubited.1662715

Journal record: https://dergipark.org.tr/en/pub/dubited/article/1662715

Area: Accelerator-driven and fusion–fission hybrid systems | Verification: **V3**

[25] Alper Buğra Arslan; Büşra Durmaz; Hüseyin Yapıcı. **Minör Aktinit ve Toryum Kullanılan Bir Hızlandırıcılı Sürücülü Sistemde Performansın Değerlendirilmesi [Performance evaluation of an accelerator-driven system using minor actinides and thorium; in Turkish].** *Iğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi*, 15(3) (2025), 1032–1039. Published 1 September 2025.

Link: https://doi.org/10.21597/jist.1640466

Journal record: https://dergipark.org.tr/tr/pub/jist/article/1640466

Area: Accelerator-driven and fusion–fission hybrid systems | Verification: **V3**

[26] Esra Baştürkcü. **Temperature-driven thorium-uranium separation during high pulp density water leaching.** *Physicochemical Problems of Mineral Processing*, 62 (2026), Special Issue 5, article 240564.

Link: https://doi.org/10.37190/ppmp/240564

Institutional record: https://research.itu.edu.tr/en/publications/temperature-driven-thorium-uranium-separation-during-high-pulp-de/

Area: Resources and mineral processing | Verification: **V3**

Review note: Mineral-processing research on a rare-earth preconcentrate from the Eskişehir-Beylikova deposit; it is not reactor design.

5.4 Related thesis outside the review period (not counted)

Th. Ahmet Çifci (student); Adem Acır (supervisor). **Bir mikro nükleer reaktörün nötronik analizi ve toryum yakıt kullanılabilirliğinin araştırılması** [Neutronic analysis of a micro nuclear reactor and investigation of thorium fuel usability]. Master's thesis, Gazi University, Institute of Science, approved June 2023.

Record: Gazi University AVESIS thesis record

Review note: Relevant to thorium and microreactors but completed in 2023, so it is listed separately and is not one of the 26 counted entries. Verification level V3.

6. Claims and records that remain open

- **Entry 4** (Dwijayanto, Miftasani and Widiawati, Nuclear Engineering and Design 442, 114216) could not be located. Confirm its title, authors and DOI before it is cited.
- **Entry 22, 49 W claim.** Consistent with the abstract's 2,500-fold figure and with the lead author's public statements, but the underlying calculation should be read in the full paper before the number is quoted as a published result. The result is a theoretical comparison with one specific muon-catalysed concept and is not evidence of an operating reactor.
- **Claimed 2026 shielding paper by the Şentürk Lüle team.** No record was found, so it has not been added. The team's verified article is entry 8 (December 2025, five authors).
- **Entry 7, online-first date.** The supplied date of 8 October 2025 and the ANS "Published" stamp of 13 July 2026 disagree. The publisher's online-first record should settle it.
- **Entry 18, quality of venue.** Indexing, peer-review practice and the "solid-fuel SD-TMSR" wording should be checked before the paper is used as evidence.
- **Entry 21, authorship interest.** The paper was produced largely by the fuel developer's own team; its reported safety margins have not been independently reproduced in anything located here.
- **Thesis surname.** Confirm "Çifci" against the AVESIS record.

7. Limitations

This review verified only part of the list directly, and the levels in section 2 show how much. Seventeen entries rest on the supplied list's own record notes, which could not be reproduced here. The review could not open publisher pages directly, and for several records the search tools returned only partial metadata. The date window ends on 31 October 2026, and very recent records may still be updated or merged. The thematic grouping in section 3 is the reviewer's own, based on titles and abstracts, and some entries (for example 13, 21 and 23) could reasonably sit in more than one area.

8. Conclusions

The corrected list holds 26 publications and is more reliable than the supplied version in its counts, dates and numbering. Its main findings are consistent with the supplied report. Thorium research in 2025–2026

is active across light-water SMRs, molten-salt reactors, gas-cooled microreactors, heavy-water fuel, accelerator-driven systems, fuel chemistry and resource processing, and most of it is computational. The review found no entry that demonstrates a commercially operating thorium-fuelled power reactor. Before external use, the V0, V2 and V3 entries should be confirmed against DOI-resolver or Crossref records, and the open items in section 6 should be closed.

Appendix A. Numbering crosswalk

This table maps the numbering of the supplied document to the numbering used in this report.

Supplied numbering	Numbering in this report
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12 (Alnassar and Galahom)	12
12 (second entry, Şahin et al.)	13
13	14
14	15
15	16
16	17
17	18
18	19
19	20
20	21
C1	22
C2	23
C3	24
C4	25
C5	26

Appendix B. Indexing and search links

These Google Scholar searches were provided with the supplied list. They are discovery links, not citable sources.

- Google Scholar – thorium reactor research, 2025–2026
- Google Scholar – thorium molten salt reactor, 2025–2026
- Google Scholar – thorium fuel cycle, 2025–2026