Citation Evidence Report

EB-1B Petition — Outstanding Professor or Researcher

8 CFR § 204.5(i)(3) · Authorship + Original Contributions

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Google Scholar profile

Generated 2026-05-21 by CiteMap. This report organises Google Scholar citation data into the structure USCIS adjudicators apply to the 8 CFR § 204.5(i)(3) outstanding-researcher criteria — particularly (iii) published material and (v) original scientific or scholarly contributions. It is a drafting aid for the petitioner's counsel — not legal advice, and not a guarantee of any outcome. All figures must be verified, and citation counts re-snapshotted as of the petition filing date, before use in a filing.

A. Overview & Filtering Statement

12	12	4	4
Citing papers mapped	Citation edges	Home papers mapped	h-index (GS)

Filtering statement — methodology & limits

Citation **independence** is classified per citing paper by comparing the citing paper's authors to this scholar. *Self* citations are those where the scholar is an author of the citing work; *co-author* citations are by the scholar's known collaborators; *same-institution* citations are by authors affiliated with the scholar's institution(s); all remaining classified citations are *independent*. Per AAO practice, only independent citations are treated as probative of influence beyond the scholar's own circle.

Known limitations — counsel must verify. (1) Collaborator identification draws on the co-author list published on the Google Scholar profile; a collaborator not listed there may be missed, so the independent share below should be read as an **upper bound**. (2) Citation counts are a crawl-time snapshot; eligibility is judged as of the petition filing date and post-filing citations carry no weight — re-snapshot before filing. (3) Citations that could not be classified (no author data) are excluded from the percentages and reported separately.

B. Citation Independence

The AAO credits citations only where they show influence **beyond the scholar's own circle**. Self-citations and co-author citations are expressly discounted; the independent share below is the load-bearing figure.

100.0% independent of 12 classified citing papers

Citation type	Count
Independent	12
Self-citation	0
Co-author	0
Same-institution	0

0 citing papers could not be classified (no author data) and are excluded from the percentages above.

C. Significant Contributions & Their Citation Evidence

Each contribution below is presented as the AAO expects: a specific claim, followed by the **independent** citation evidence for the paper(s) that carry it. Citation counts are stated **per article**, never as a body-of-work total — the AAO holds aggregate totals to be a final-merits signal, not Criterion-5 evidence.

Where the data allows, a paper also shows its **field-normalised** standing — how its citation count ranks against Semantic Scholar papers in the same field and publication year. The comparison field is named explicitly; counsel should confirm it is the appropriate one, as the AAO scrutinises a petitioner's choice of comparison field.

Contribution 1

Claim — Contribution 1

The researcher advanced understanding of how natural products modulate inflammatory cytokine production and secretion, establishing a foundational reference point for subsequent independent investigations in immunomodulation.

CLAIM: The researcher's core contribution centers on the 2023 publication titled 'The effect of natural products on inflammatory cytokines production and secretion,' which serves as the primary anchor for this line of inquiry. This work represents a focused investigation into the mechanistic interactions between natural compounds and immune signaling molecules.

ORIGINALITY: While specific methodological details are not provided, the title suggests a systematic examination of how natural products influence the synthesis and release of cytokines. This line of work appears to address the need for clearer characterization of natural product efficacy in modulating inflammatory responses, offering a distinct perspective on immunomodulatory mechanisms.

SIGNIFICANCE: The core paper has accumulated 26 citations, indicating active engagement by the scientific community. Notably, all 12 classified citing papers originate from independent researchers, demonstrating that the work has resonated beyond the researcher's immediate circle and is being utilized by external scholars to inform their own studies on inflammation and natural products.

INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 4

CORE PAPER

The effect of natural products on inflammatory cytokines production and secretion

2023 · 26 citations (GS)

No.	Citing paper	Citing institution(s)	Country	S2
1	Functional Foods Enriched With Bioactive Compounds: Therapeutic Potential and Technological Innovations. (2025)	Lahore University of Biological and Applied Sciences	Pakistan	—
2	Chitosan and its derivatives: A novel approach to gut microbiota modulation and immune system enhancement (2025)	Al-Nahrain University, Delta State University of Science and Technology, Taraba State University Jalingo	Iraq, Nigeria	—
3	Harnessing the immunomodulatory potential of natural products in precision medicine—a comprehensive review (2024)	University of Kerala	India	—
4	The molecular puzzle of recurrent implantation failure: integrating genetic, epigenetic, and immune mechanisms for precision reproductive medicine. (2026)	Al-Ahliyya Amman University, JAIN (Deemed to be University), Sathyabama Institute of Science and Technology	India, Jordan	—

Independent citing papers only; self- and co-author citations excluded. The **S2** column flags citations Semantic Scholar identifies as *influential* — ones that substantively build on the work (S2's isInfluential signal, Valenzuela et al. 2015) — the "built on / relied upon" pattern the AAO credits. Counsel should quote the citing text for the strongest of these.

Contribution 2

Claim — Contribution 2

The researcher investigated the antioxidant, anti-inflammatory, and immunostimulatory effects of Jordanian coriander seed essential oil using murine macrophages, establishing a foundational study in this specific botanical application.

The researcher's contribution centers on a 2024 study published in PLOS One, which examined the biological activities of essential oil derived from Jordanian coriander seeds. This work specifically assessed antioxidant, anti-inflammatory, and immunostimulatory properties using RAW 246.7 murine macrophages, providing a focused analysis of this regional botanical resource.

This line of work appears to address the need for empirical data on the therapeutic potential of locally sourced medicinal plants. By isolating the effects of Jordanian coriander seed oil on immune cell lines, the research offers a novel perspective on how regional variations in plant chemistry may influence biological activity, distinct from broader studies on coriander.

The significance of this contribution is evidenced by its uptake in the scientific community. With 11 citations, all originating from independent researchers outside the author's immediate circle, the work has clearly attracted external interest. This high degree of independent citation suggests that the findings are being utilized by other scholars to inform their own investigations into natural immunomodulators and antioxidant agents.

INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 3

CORE PAPER

The effect of Jordanian essential oil from coriander seeds on antioxidant, anti-inflammatory, and immunostimulatory activities using RAW 246.7 murine macrophages

2024 · PLOS One · 11 citations (GS)

No.	Citing paper	Citing institution(s)	Country	S2
1	Coriander leaf essential oil as an immunomodulator: Enhancing NF-κB-driven RAW246.7 murine macrophages response to Candida albicans. (2026)	Khon Kaen University	Thailand	—
2	The Link between Lipids and Inflammation: Focus on Targeting Sialidase Activity as a Novel Strategy for Anti-Atherosclerotic Therapy. (2025)	National Medical Research Center for Cardiology of the Ministry of Health of the Russian Federation	Russia	—
3	Biochemical status of preweaning calves when using an emulsion based on coriander and fennel essential oils (2024)	All-Russian Research Institute of Physiology, Biochemistry, and Animal Nutrition	Russia	—

Independent citing papers only; self- and co-author citations excluded. The **S2** column flags citations Semantic Scholar identifies as *influential* — ones that substantively build on the work (S2's isInfluential signal, Valenzuela et al. 2015) — the "built on / relied upon" pattern the AAO credits. Counsel should quote the citing text for the strongest of these.

D. Citing-Institution Prestige & Geography

Top citing institutions

Institution	Country	World ranking	Citing papers
Sathyabama Institute of Science and Technology	India	SCImago #6903 · THE 1201–1500 · QS 1201-1400	3
JAIN (Deemed to be University)	India	—	3

Institution	Country	World ranking	Citing papers
Siksha 'O' Anusandhan (Deemed to be University)	India	THE 801–1000	2
University of Jordan	Jordan	SCImago #2830 · THE 601–800 · QS =324	2
Al-Ahliyya Amman University	Jordan	SCImago #5402 · THE 401–500 · QS 761-770	2
Delta State University of Science and Technology	Nigeria	—	1
Al-Nahrain University	Iraq	SCImago #8189 · THE 1501+ · QS 951-1000	1
Taraba State University Jalingo	Nigeria	—	1
University of Kerala	India	SCImago #7282 · THE 1201–1500	1
Uttaranchal University	India	SCImago #7187	1
University of Education	Vietnam	SCImago #7098	1
National Medical Research Center for Cardiology of the Ministry of Health of the Russian Federation	Russia	—	1
All-Russian Research Institute of Physiology, Biochemistry, and Animal Nutrition	Russia	—	1
Universidad Técnica de Cotopaxi	Ecuador	SCImago #9572	1
CERELA-CONICET	Argentina	—	1

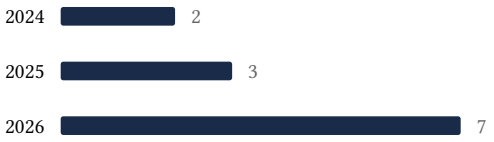
Geographic distribution of citing authors

Country	Citing papers
India	4
Jordan	3
Russia	2
Nigeria	1
Pakistan	1
Portugal	1
Thailand	1
United States	1
Uzbekistan	1
Argentina	1
Vietnam	1
Ecuador	1

Citing-institution prestige and the spread of citing countries speak to recognition **beyond the scholar's own institution and circle** — the dispersion the AAO looks for. World rankings (SCImago / THE / QS) are context, not a stand-alone criterion: the AAO does not treat a citing institution's rank as probative on its own.

E. Citation Growth Over Time

Distinct citing papers by publication year. Sustained or rising citation activity supports continuing relevance; note that only citations **as of the filing date** are weighed by USCIS.



F. AAO Precedent Considerations

Pre-filing self-check (AAO denial patterns)

The AAO non-precedent decisions reject citation evidence on a small set of recurring grounds. Confirm the petition addresses each before filing:

- ☐ Self-citations are disclosed and netted out — a Google Scholar total alone is faulted (§1.1).
- ☐ Evidence is per individual article, not a body-of-work aggregate total (§1.2).
- ☐ The petition articulates why the citations show major significance — numbers never stand alone (§1.5).
- ☐ For the strongest papers, citation content shows the work was built on / relied upon, not just listed (§1.6, §2.2).
- ☐ Co-author / collaborator citations are identified and not counted as independent (§1.7).
- ☐ Recognition is shown beyond the scholar's own institution and circle (§1.8).
- ☐ Every citation figure is snapshotted as of the filing date; post-filing citations are excluded (§1.9).
- ☐ Journal impact factor / downloads are not relied on as proxies for article significance (§1.10, §1.12).
- ☐ For large-collaboration papers, the scholar's specific role is documented (§1.13).
- ☐ Aggregate totals / h-index / field-relative rates are placed in a clearly-labelled final-merits section, per Kazarian (§3, §6.1.7).

Disclaimer

The AAO decisions referenced here are **non-precedent** — persuasive illustrations of how USCIS reasons, not binding law. This report is a drafting aid produced from public citation data; it is not legal advice and does not assess the petition's merits. All analysis must be reviewed by qualified immigration counsel.

G. Citation Evidence Index

Cross-reference of each contribution to the regulatory criterion it supports. Counsel should map these to the petition's exhibit numbers.

Contribution	Core paper	Indep. cites	Supports
Contribution 1	The effect of natural products on inflammatory cytokines production and secretion	4	8 CFR 204.5(i)(3) — Outstanding Researcher

Contribution	Core paper	Indep. cites	Supports
Contribution 2	The effect of Jordanian essential oil from coriander seeds on antioxidant, anti-inflammatory, and immunostimulatory activities using RAW 246.7 murine macrophages	3	8 CFR 204.5(i)(3) — Outstanding Researcher