

### Scopus ID

- Algorithm based author identifiers and profiles
- Based on affiliation, subject area and other author characteristics
- Author search is inaccessible to non-subscribers
- There is an extensive API
- Some authors have multiple Scopus profiles, especially if the author works in multiple disciplines or institutions
- No direct editing or claiming but author feedback allows for amendments to profiles
- A tool is provided to pull the publications from a Scopus author profile into an ORCID profile
- Service provided by Elsevier and integrated with their other products such as Mendeley
- Notably used by the UK research excellence framework (REF)

### ResearcherID

- User or institution created author identifiers and profiles
- User populated
- Can create bi-directional links with ORCID profiles
- Has a process in place to settle inaccurate claim disputes
- An API is provided, but documentation currently unavailable for assessment
- Service provided by Thompson Reuters and heavily integrated in their other products
- Around 270k identifiers.

### arXiv Author ID

- Discipline specific author identifier and profile
- Author identifiers are intended to disambiguate papers within the arXiv repository
- User created and maintained, semi-automatically populated
- Provides OAI-PMH

### RePec Author Service

- Discipline specific (Economics) identifier and profiles
- Users claim from a list of research outputs provided by academic publishers such as Elsevier, Wiley Blackwell, CEPR and institutional archives
- There is no API
- Used by RePEc services

## PubMed Author ID

- Development announced in 2010 and abandoned in 2014 in favour of external identifiers provided by publishers
- Update specifically mentions ORCIDs

## Google Scholar Profiles

- User driven, semi-automated author profiles
- Initial import is algorithm based with the ability for users to add and remove works
- Continuous algorithmic profile updates possible
- Requires a verified institutional email to make public
- There is no API, and rate limitations and T&C prevent scraping, no interoperability features
- Manual user driven export possible
- Not intended as an author identifier

## Microsoft academic research ID

- Provides human editable automatically generated author profiles with attached ids
- Provides other tools such as co-author visualization, profile merging and citation counts
- In contrast with Google Scholar, Microsoft do offer an API
- It is limited by terms and conditions to non-commercial, academic-only use.

## AuthorClaim

- Non-discipline specific author disambiguation and profiles
- Generates author output profiles
- Based on RePEc Author service
- Users claim from a list of research outputs provided by publishers and repositories including Crossref, ArXiv and PubMed
- There is no API, but data is available as bulk download in CC0
- Venerable, in operation since 1992, was founded by the Open Society Institute

## JISC Names

- Automatic author disambiguation system with manual intervention and quality assurance
- Generating identifiers and associated research outputs
- Ran from 2007 until 2013
- Collected data now submitted to ISNI
- Codebase now open source

## ISNI

- Semi-automatically derived from library catalogues and other trusted sources using human intervention for quality control
- Institutions that are members can submit data for matching and ISNI creation. Provides searchable interface and extensive query API
- Not user editable, although users can suggest changes to existing profiles
- Intended to be an authoritative source of authorship identifiers

## Linkedin

- Used to maintain professional resume, publication lists and network
- Frequently mentioned when discussing author identifiers with researchers
- Positioning itself as an identity authority as well as profile management tool
- Mature API for identity and profile

## Mendeley Profiles

- User driven and populated author profiles with social networking/collaboration features
- Manual creation and import
- Both desktop and mobile software and a service
- Public API
- Not intended as an author identifier
- Provided by Mendeley/Elsevier, has around 3 million profiles

## ResearchGate

- Academic social network and collaboration platform for researchers, institutions and publications
- Users can manage their publishing and work profiles and create connections
- Provides sharing and citation metrics
- Open Query API, no update API

## ORCID ID

- User driven identifier service
- Users can create, manage and edit their publishing history and import from various other systems
- Institutions can create blocks of identifiers and ask authors to 'claim' them
- Extensive search and authentication API with various open source client implementations
- Update rights via the API require membership