

South African mining and metallurgy researchers ranked in the 2021 listing of the world's top 2% scientists

A recently updated database¹ from Stanford University lists the top 2% of science researchers in the world. This year, 26 South African scientists are recognized in the sub-discipline of Mining and Metallurgy, up by 24% from the previous rankings. It is also gratifying to see a significant increase in the number of women represented, as well as a wider range of academic institutions and commercial entities.

The research team, led by Professor John Ioannidis, created a database that includes the best scientists in the world, using standard citation indicators. The indicators take a range of factors into account, including the number of citations, h-index, citations of papers in different authorship positions, and a composite indicator. The database categorizes 186 000 scientists in 22 scientific fields and 176 sub-fields.

The South African scientists who featured in the Mining and Metallurgy ranking according to career-long citation impact are as follows.

Name	Institution	No. of papers	Ranking
Frank Crundwell	CM Solutions	67	13
Sue Harrison	University of Cape Town	174	28
John Preston	Mintek (retired)	51	49
Dick Stacey	University of Witwatersrand	104	71
Jochen Petersen	University of Cape Town	91	84
Dee Bradshaw (deceased)	University of Cape Town	156	99
Leon Lorenzen	Stellenbosch University	86	109
Michael Moys	University of Witwatersrand	89	116
Cyril O'Connor	University of Cape Town	186	135
Kathy Sole	University of Pretoria	43	139
Dave Deglon	University of Cape Town	53	192
Jan Svoboda	De Beers Group (retired)	33	199
Steven Bradshaw	Stellenbosch University	100	227
Mariekie Gericke	Mintek	30	237
Sehliselo Ndlovu	University of Witwatersrand	69	252
Geoff Hansford	University of Cape Town	54	257
S. Ramazan	AngloGold Ashanti Limited	16	315
J.-P. Franzidis	University of Cape Town	98	415
Tunde Ojumu	Cape Peninsula University	59	439
Megan Becker	University of Cape Town	67	485
Victor Ross	Mintek (retired)	24	494
Rob van Hille	University of Cape Town	55	526
Johan de Villiers	University of Pretoria	58	565
J. van der Merwe	University of the Witwatersrand	39	572
Andrie Garbers-Craig	University of Pretoria	44	630
Gloria McDougall (deceased)	NCP	16	667