

MÁRTONNÉ SZALAY Emőke
1940–2025

MÁRTONNÉ SZALAY Emőke 1940-ben született Budapesten. A Fürst Sándor Általános Gimnáziumban (Budapest, Rákoshegy) érettségizett. Az Eötvös Loránd Tudományegyetem Természettudományi Karán geológusként végzett 1963-ban. Első és egyetlen hazai munkahelye az Eötvös Loránd Geofizikai Intézet volt. 1973 és 1975 között Nigériában élt, és az ottani Ahmadu Bello Egyetem Földtani Tanszékének oktatójaként dolgozott. Az ELGI-ben gyakorolt szakterülete a paleomágnese kutatások terepi és laboratóriumi munkáinak irányítása és a mérési eredmények tektonikai értelmezése volt. Számtalan európai és Európán túli nemzetközi együttműködés szervezője és résztvevője, aminek köszönhetően összesen 17 országban dolgozott. Paleomágnese kutatásaiban elsősorban a Kárpát-medence és környezete mozgástörténetét vizsgálta, figyelemmel kísérve és befogadva egyéb, a tektonikai folyamatokat a paleomágnességtől függetlenül vizsgáló szakterületek eredményeit is. Ez a szakmai feladat nem csak íróasztal mellett végzett elméleti tevékenység, hanem a paleomágnese értelmezéseket minden esetben komoly terepi előkészület és fizikai munkát igénylő terepi mintagyűjtés, majd nagy pontosságot és rutint feltételező, hosszú laboratóriumi mintaelemzés előzi meg. A tevékenység magas szintű gyakorlása korszerű, jól felszerelt paleomágnese laboratórium meglétét igényli, amelynek az ELGI-n belüli létrehozása, nemzetközi szintre való fejlesztése és folyamatos karbantartása SZALAY Emőke nevéhez fűződik. Az infrastruktúra kihasználásával a laboratórium a tektonikai folyamatok elemzésén túl ma már a levegőben szállított por feldúsulásának vizsgálata révén a környezetvédelemmel kapcsolatban is eredményes kutatásokat végez. Emőke munkáját számos hazai és nemzetközi pályázati forrás támogatta.

Rendszeresen publikált, cikkeinek és könyvfejezeteinek száma több mint kétszáz. Tudományos munkái főleg geofizikai, geodinamikai, tektonikai témákkal foglalkozó hazai és nemzetközi szakfolyóiratokban jelentek meg (pl. *Tectonophysics*, *International Journal of Earth Sciences*, *Geologica Carpathica*, *Földtani Közlöny*, *Magyar Geofizika*). Igen gyakran társszerzőkkel publikált, a társszerzői a szakterület legnevesebb szakértőinek köréből kerültek ki. Nemzetközi ismertségét és elismertségét mutatja, hogy publikációinak kumulatív impaktfaktora 164,97, idézettsége kimagasló (több mint 3100 független idézet, független Hirsch indexe 28). 1991 óta a Földtudomány Doktora.

A szakmai munka mellett a közéleti tevékenységekből is kivette a részét. A teljesség igénye nélkül: 1960-tól a Magyarhoni Földtani Társulat, majd 1963-tól a Magyar Geofizikusok Egyesületének tagja, tagja volt az European Union of Geosciences, Arthur Holmes-émlékérem bizottságának, a Galicia Tectonic Groupnak, az OTKA Földtudomány 1 zsűrijének, alapító tagja az ELTE TTK Földtudományi Doktori Iskolának, tagja volt az *Acta Geologica Hungarica* – *Central European Geology* szerkesztőbizottságának, a *Geology, Geophysics and Environment* tanácsadó testületének, illetve elnöki tisztséget töltött be a Magyar Geofizikusok Egyesülete Általános Geofizikai szakosztályában. Tevékenységét Egyed László-émlékéremmel, Eötvös Loránd-émlékéremmel, a Szlovák Tudományos Akadémia Dionýz Štúr-ezüstérmével, két esetben pedig MTA Akadémiai-díjjal ismerték el. 2008-ban Pro Geophysica-émlékérmet kapott, 2014-ben a tiszteletére rendezett konferencián a Comenius Egyetem Dimitry Andrusov-éremmel tüntette ki.

A búcsúzó kollégák nevében,
KOVÁCS Péter

The last coffee break

Farewell from Dr. Emő Márton

It may be out of the blue after a decade of not hearing a word from me. I have many things I would like to tell you. Having a coffee together for the very last time would be amazing.

We would sit once more at the small desk in the tiny room functioning both as a sample preparation place, kitchen, and dining room of the first, and up to date, only Paleomagnetic Laboratory in Hungary – your creation, without doubt something to be proud of, and maybe a second home for a lifetime.

The smell of the freshly made coffee from a particular brand (your favorite and the only type that is “allowed” in the laboratory) fills the air. The cups are already on the table. Let's have a short break.

I remember when I first arrived at the Paleomagnetic Laboratory. It felt like entering a different realm, a sanctuary filled with knowledge, profession, challenges, and hard work. There were cries and laughs, and beyond that, curiosity, care, and overall love for any magnetic research. It was your domain.

You may not recall the first time we met. Such memories are blurry for me too, partly because of the decades that passed, and partly because the excitement was spiced with anxiety about a manuscript I came to discuss with you. That anxiety might be understandable. You were my reviewer, and the study was rejected for good reasons.

The first visit was followed by many.

We just started our coffee break, and those cups are still almost full. I may have more time to talk. Time for some confession and sharing memories.

You taught me many methods of paleo and rock magnetic investigations, which became one of the foundations of my scientific life. But what I learned from you was more. It was a particular way of doing research. Beyond the methods, your creative, precise, and often critical thinking sets an example to follow.

There was one case that I will never forget. I was in trouble due to some biased-looking experimental results. After desperately re-measuring the samples numerous times, I gave up and looked for an alternative explanation that I could present to you. With the submission deadline being close and maybe with a lot of doubts in your mind, you gave me an “ultimatum”: if I can prove my hypothesis, I am in. I am among the co-authors of the study. I never faced such a challenge before, moved mountains, and in the end, I got your approval. Until today, I have kept that publication in my heart among my favorites.

Our coffees are getting cold, and we are running out of time way too fast!

Overall, I always felt you were unstoppable. And you really were unstoppable considering your achievements. I can list many of your studies, many of which scientists from Hungary and around the world worked on together with you. Scientists have been referring to them as fundamental works, citing them, learning from them, and using them during lectures and in other educational and research activities.

The list speaks for itself and easily explains and summarizes why I am looking up to you, respecting you, and trying to follow your path, even if it was not (it has not been ever), the easiest and always cheerful one.

I am certain that I am not the only one, but others, possibly generations of paleomagnetists, and Earth scientists from other fields, are thinking the same.

I believe that for many who studied and worked in the Paleomagnetic Laboratory, the possible difficulties and “struggling” that appeared while repeating measurements over and over again, or during writing, rewriting, and re-rewriting one of the studies, melt in the flow of time. What remains is appreciation and acknowledgment of those times of learning and the knowledge received from you.

And finally, I am convinced that your influence crossed the border long ago, and it is everywhere, all around the world. From Spain to Japan, researchers involved in any magnetic studies recognized your name while I was explaining my research history in the field.

The history in which, without any doubt, you are one of the most influential parts.

I am talking too much. The leftover coffee is getting cold. Let's drink it up, or leave it on the desk. I will take care of it. I have to go back to work now. Please, it is time for you to take some well-deserved rest after decades of dedication, hard work, and an accomplished scientific career.

Dear Professor, I will never forget you!

Thank you for everything, and rest in peace!

24th of August, 2025, Kobe, Japan

Balázs BRADÁK

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