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24 May 1952-ci ilde Qazakh rayonunda muallim ailesinde anadan olmusdur. 1969-cu ilde orta mektebi Qizil medalla bitirmish ve ele hemin ilin Iyul ayinda Lenin adina Azərbaycan Devlet Pedagoji Institutunun kimya fakultesine daxil olmusdur. Institutda yaxshi oxudugu ucin Lenin tegaidine layig gorulmusdur. 1973-cu ilde Pedagoji Institutu ferglenme diplomu ile bitirmish ve Baki sheheri Qaradag rayonunun Sangacal gesebesindeki orta mektebe kimya muallimi teyin olunmusdur. 8 ay mektebde muallim ishledikden sonra 1974-ci ilin May ayinda Azərbaycan Elmler Akademiyasinin Qeyri-Uzvu ve Fiziki kimya Institutunun “Gurulush Kimyasi” laboratoriyasinda aspiranturaya daxil olmusdur. Ele hemin ilde de herbi xidmete cagrilmish ve Ukrayna Respublikasinda gizli ballistik raketler herbi bolmesinde kimyaci kimi calismishdir. Herbi bolmenin komandiri kapitan Polshin ona Leningrad Herbi Akademiyasinda oxumagi teklif etmishdir. Lakin Faik Musayev teklifi gebul etmemish ve aspiranturada tehsilini davam etdireceyini bildirmishdir. 1975-ci ilde herbi xidmeti bitirib, yeniden Bakiya gayitmish ve Azərbaycan Elmler Akademiyasinda gorkemli kimyaci alim Professor Xudu Memmedovun rehberliyi altinda aspiranturada tehsilini davam etdirmishdir. 1979-cu ilde “Metal monotiobenzoatlarin sintezi ve kristal gurulushu” movzusunda namizedlik dissertasiyasini mudafie edib, kimya elmler namizedi derecesini alib. Merhum Professor Xudu Memmedovun genc alimin dunya gorushunun ve heyatinin formalashmasinda cox boyuk tesiri olmusdur. Faik Musayev 1991-ci ilde Tbilisi Devlet Universitetinde “Bioloji activ benzoy turshusu ve onun toremelerinin kecid elementlerle kompleks birleshmelerinin qurulushu ve termiki davamliligi” movzusunda doktorlug dissertasiyasini muveffegiyyetle mudafie edib ve kimya elmleri doktoru derecesini alib. 120-den cox elmi eserin ve 3 ixtiranin muallifidir. Rusiyanin ve dunyanin muxtelif bolgelerinde (Moskva, Novosibirsk, Samarkand, Praga, Hamburg, Buffalo, New York ve s.) qurulush kimyasi ve termiki analiz uzre kecirilen elmi konfranslarda defelerle ishtirak etmishdir. 1993-ci ile geder Azərbaycan SSR Elmler Akademiyasinin Qeyri-Uzvu ve Fiziki Kimya Institutunda aparici elmi ishci vezifesinde calismishdir. 3 nefer elmler namizedinin elmi rehberi olmusdur. 1993-cu ilin Noyabr ayinda Taiwan Elmler Akademiyasina devet olunmush ve 1998-ci ile geder orada xerceng ve HIV xesteliklerine qarshi aktivlik gosteren zulal molekullarinin temizlenmesi ve kristal gurulushunun oyrenilmesi ile meshgul olmusdur. Bu elmi ishlerin neticesi cox hormetli beynelxalg

jurnallarda çap olunmuşdur. Taiwan Elmler Akademiyasında işlədiyi müddətdə müxtəlif ölkələrdən, o cümlədən Yeni Zelandiya, Braziliya və Amerika Birləşmiş Ştatlarından elmi axtarışlarını davam etdirmək üçün təkliflər almışdır. Faik Musayev 1998-ci ildə Amerika Birləşmiş Ştatlarının dəvətini qəbul etmiş və oraya köçmüşdür. Hal-hazırda ABŞ-in aparıcı Universitetlərinin birində (Virginia Commonwealth University, Richmond, VA, USA) professor vəzifəsində çalışır. Anemiya və verem xəstəliklərinə qarşı yeni növ dərman maddələrinin kəşfi ilə məşğuldur. Əsas elmi istiqaməti zülalların alınması, təmizlənməsi, onların kristal quruluşlarının rentgen-struktur analiz yolu ilə öyrənilməsidir. Bu mövzuda ABŞ-da yüksək impact faktoruna malik elmi jurnallarda 44-dən çox elmi məqaləsi çapdan çıxmış və 1 ixtiranın müəllifidir (US Patent No. 7160910, 2007). Hal-hazırda Faik Musayev və onun elmi əməkdaşları tərəfindən S hemoglobinopatiya (sickle cell anemia-oraq hüceyrəli anemiya) irsi xəstəliyinə qarşı tapılmış yeni potensial dərman maddəsinin 2-ci klinik mərhələsi xəstələr üzərində ABŞ-in Baxter şirkəti tərəfindən müvəffəqiyyətlə sınaqdan keçirilir. Faik Musayev həmçinin Amerikanın Tibb Laboratoriyası Texnologiya diplomunu almışdır (Medical Laboratory Technology, MLT).

Elmi cəmiyyətlərə üzvlüyü:

Amerika Kristalloqrafiya Cəmiyyəti (American Crystallographic Association, ACA)
Amerika Qabaqcıl Elm Cəmiyyəti (American Association for the Advancement of Science, AAAS).

Zülal molekullarının quruluşu və xassələrinə aid çap olunmuş məqalələrini bu veb-saytdan oxuya bilərsiniz:

<https://www.ncbi.nlm.nih.gov/sites/myncbi/faik.musayev.1/bibliography/48047485/public/?sort=date&direction=ascending>

Invention and Patent:

M.K.Safo, R.Danso-Danquah, S.S.Nokuri, **F.N.Musayev**, G.S.Joshi, J.C.Burnett & D. J. Abraham. 5-Membered Heterocyclic Antisickling Agents to Treat Sickle Cell Disease. US Patent No. 7160910, 2007.

F.N. Musayev, X.S.Mamedov, D.D. Aliyev, E.A. Axundova, V.R. Cerkezova, H. Nejefov. "Antimikrob Maddələr" Moskva, 1989, Patents: 1471352; 1471353.

Publication in Protein Crystallography

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